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NEWS SUMMARY

GENERAL

Hospital names heart patient

Britain's latest heart transplant patient—the sixth—was named as Mr. Keith Castle, 52, retired builder of Latchmere Road, Battersea, London.

On the first day after his 5½-hour operation at Papworth Hospital, near Cambridge, he had a 30-minute visit from relatives. He spent most of the rest of the day dozing and listening to the radio.

Hospital officials said everyone there was "very delighted" with Mr. Castle's progress. Though lying flat on his back, he is breathing normally without a ventilator and began his post-operation morning with a large glass of milk.

Strauss fails to budge Begin

President Carter's Middle East envoy Robert Strauss failed to budge Israel's Prime Minister Menachem Begin on his rejection of any U.S. attempt to introduce a new UN resolution recognizing Palestinian rights.

After two hours of apparently tough talks in Tel Aviv, Mr. Strauss refused to make any reference to Israeli threats to quit Palestinian autonomy talks if the U.S. tabled its own resolution or backed any other resolution-widening Palestinian rights. Back Page

Crucial vote

The trade union vote may yet thwart Mr. James Callaghan's hopes of preventing the Labour Party conference in October deciding on controversial amendments to the party constitution. Many union leaders now believe the debate should not be sidestepped. Back Page

Spacemen back

Soviet cosmonauts Vladimir Lyakhov and Valery Ryumin returned safely to earth aboard Soyuz 34 after orbiting the earth in the Salyut-6 space station for a record 175 days.

Death sentences

Former Kampuchean leaders Pol Pot and Ieng Sary were found guilty of genocide and sentenced to death in their absence by a Phnom Penh special court. They were described as "the authors" of the deaths of about three million people in their three-year rule. Page 2

Jacklin wins

British Tony Jacklin returned a final round of 71 to win the West German open golf championship at Frankfurt. He finished two strokes ahead of American Lanny Wadkins to capture the \$12,500 prize.

Dictator caught

Exiled Guinean ousted dictator, Francisco Macias Nguema, was captured alone and unarmed in the jungle near his native village. Troops of the military council which overthrew him are taking him to the city of Bata for trial.

Muzorewa sued

The commander of Zimbabwe Rhodesia's crack Selous Scouts battalion, Lt.-Col. Ron Reid-Daly, is suing Prime Minister Abel Muzorewa and the former Army commander over the alleged bugging of his telephone. He is seeking \$78,000 damages for invasion of privacy.

Briefly . . .

Uruguayan guerrilla suspect Franco Piperno, sought in Italy over the killing of former Premier Aldo Moro, arrested in Paris. Three surviving babies of octuplets born in Naples reported in slightly improved condition.

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Economic activity in UK may be starting downturn

BY PETER RIDDELL, ECONOMICS CORRESPONDENT

Economic activity in the UK may be starting to turn down from the buoyant levels of early summer. The latest Confederation of British Industry trends inquiry shows a marked deterioration over the past two months in the outlook for manufacturing industry's orders and output.

The inquiry, results of which are published this morning, points particularly to a weakening in export order books compared with earlier in the year.

More companies report adequate or more than adequate stocks of finished goods, which reflects lower than expected demand at home and abroad.

Consequently, expectations about the volume of output over the next four months have become much less buoyant.

The findings provide the first firm indication of the way in which the economy is moving. CBI economists say they suggest that a turning point has occurred.

However, the evidence has been less clear. The labour market has been tight, especially in the South-East, and total output, measured by real Gross Domestic Product, grew by 3 per cent in the April-June period.

That, however, largely represented rising North Sea oil production and a recovery from the depressed levels of the winter when bad weather and strikes reduced activity.

The consumer boom that preceded the rise in value added tax has made it difficult to draw conclusions from the fall in retail sales last month and the upward trend in U.S. interest rates.

THE DANISH krone remained the weakest member of the European Monetary System last week, although most currencies were fairly steady and trading was quiet.

Attention tended to centre around the U.S. dollar in the foreign exchange market and the upward trend in U.S. interest rates.

There was no sign of any heavy pressure on the Danish currency, or the other weak member of the EMS, the Belgian franc. Belgium's inflation rate rose to 4.83 per cent for August, confirming the upward trend in other industrial economies. The Italian lira remained the most improved member of the EMS followed by the D-mark.

THE chart shows the two constraints on exchange rates within the European Monetary System: the "grid" of cross rates from which no currency (except the two) may move more than 2½ per cent; and the varying degrees by which each currency may diverge from its central rate against the European Currency Unit (ECU), itself a basket of European currencies. The "grid" is always shown by reference to the weakest currency in the system, which is the base line in the top chart.

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OVERSEAS NEWS

Major EEC energy user pessimistic on savings

By Kevin Done

MRS. INDIRA GANDHI considered a spent force in Indian politics until three weeks ago, has at her mercy the fate of Prime Minister Charan Singh's shaky 22-day-old Government.

In the vote of confidence debate which is due to open today in the Lok Sabha (Lower House of Parliament), the way in which Mrs. Gandhi directs the 73 members of her Congress (Indira) faction will be crucial.

If she orders them to vote against Mr. Charan Singh's Janata (Secular) Congress coalition, it is almost certain to fall.

Aware of the importance that she has suddenly acquired, Mrs. Gandhi is holding her cards close to her chest. It is unlikely that her decision will be known until the vote takes place.

While the vote of confidence debate begins today, the vote itself may not be held until Wednesday, since discussion on the Prime Minister's motion is expected to last 15 hours.

Without support from Mrs. Gandhi's Congress faction, Mr. Singh cannot hope for more than 238 votes, which is 30 votes short of the 268 votes needed to survive.

Mr. Jagjivan Ram, the Harijan (Untouchable) leader of the Janata opposition party, faces a similar predicament. He is staking a claim for Premiership on the grounds that he leads the largest single



Mrs. Gandhi holds the key in confidence debate

BY K. K. SHARMA IN NEW DELHI

poor—which each party claims to represent.

Mrs. Gandhi is violently opposed to Mr. Ram, who was once in her Cabinet but deserted her just before the 1977 General Election, thus contributing to her defeat.

Mr. Charan Singh has gone out of his way to find places in his Cabinet for Muslims, Christians, and Harijans during the trading for support in this week's vote.

He hastily drew up a 27-point programme which was unveiled on Saturday and reads more like an election manifesto than a programme of action.

The seven-page statement has fuelled speculation that a mid-term election is close. Many believe that Mrs. Gandhi wants an early election. She is probably the only Indian politician who stands to gain by dissolution of the 23-month-old Lok Sabha.

A recent poll shows that 64 per cent of the Indian people feel the country was better off during Mrs. Gandhi's emergency rule, and 75 per cent want a mid-term election.

As many as 48 per cent of the people want Mrs. Gandhi back as Prime Minister, since many feel that India's patchwork coalition is more concerned with hanging on to power than governing. Mrs. Gandhi will undoubtedly try to cash in on the popular disgust at the current political horse-trading.

party in the Lok Sabha, with 204 members. Success for Mr. Ram would also be conditional upon support from Mrs. Gandhi. Both Mrs. Gandhi and Mr. Singh have bitterly attacked Mr. Ram's Janata Party as sectarian and opposed to the interests of the country's minorities and

Lloyds angers Gulf insurers

BY OUR FOREIGN STAFF

GULF INSURANCE agents met in Baghdad over the weekend to discuss how they might retaliate against the Lloyds Insurance underwriters' decision to apply "war risk" premiums to shipping in the Gulf area.

In Bahrain, Mr. Emro Al-Kais, an executive of Al-Ahli Insurance Company, said Gulf interests could retaliate by boycotting the London market and setting up a re-insurance

underwriters' market to handle shipping insurance. A local newspaper called the war risk premiums "blackmail".

Mr. Abdel-Aziz Al-Saqer, chairman of Kuwait's Chamber of Commerce and Industry, said in an interview with the Kuwaiti News Agency that Gulf States should impose a premium on crude oil exports. The premium would be to cover "risks of threats, rumours and rumour-mongers." He did not specify

the size of the premium he had in mind.

It is likely that Gulf insurers will send a delegation to London with the aim of persuading Lloyds to revoke its ruling.

Lloyd's decision to raise insurance on the hulls of vessels operating in the Gulf took effect on Tuesday last week. Lloyd's justified its action on the grounds of prolonged and apparently continuing hostilities in the area.

Slower Irish growth forecast

BY ROBERT MAUTHNER IN PARIS

IRELAND'S GROWTH will be substantially slower in 1979 than last year, its inflation much higher, and its current account deficit likely to triple, according to the annual review of the Irish economy published by the Organisation for Economic Co-operation and Development (OECD) today.

Ireland's ambitious development programme, adopted in mid-1977, led to it having the fastest-growing economy in the OECD over the past two years, with real gross domestic products (GDP) rising by 5.5 per cent in 1977, and as much as 7 per cent last year. This was a remarkable achievement in a slow-growing international environment, the OECD says.

However, as a result of the tightening of monetary policy and the withdrawal of some of

the previous fiscal stimulus, prospects are much less bright this year. The phasing-out of tax incentives is expected to moderate the growth of disposable incomes.

In 1979, GDP is expected to increase by 4 per cent, still high by OECD standards, but much lower than the 1978 rise of 7 per cent. With imports rising by 10.5 per cent in volume, compared with 8.5 per cent for exports, and import prices expected to increase by as much as 12 per cent, compared with only 8 per cent for export prices, the payments deficit is expected to widen to £145m (£143.5m), from only £150m in 1978.

The OECD Secretariat points out that a temporary increase in the payments deficit was expected under the national development programme, but that the programme could not have foreseen the effect of higher oil prices, estimated at about £150m in 1979.

Stewart Dalby adds from Dublin: The Irish Government has given no official figure for inflation, but ministers will admit in private that it is probably running at 12-15 per cent.

Mr. Martin O'Donoghue, the Minister for Economic Planning and Development, seemed relatively cheered by the gist of the OECD report. He said:

"It shows that relatively speaking the Irish economy is doing well."

He added: "Just how well we actually do depends on our own performance at home. And if we repeat the series of strikes of the first half of this year we will be in a good shape as we go into the 1980s."

Tanker owner Reksten on trial

BY FAY GESTER IN OSLO

MR. HILMAR REKSTEN, the Norwegian tanker magnate, goes on trial in Bergen today for a long list of alleged tax and currency offences, most of them involving shipping companies outside Norway. The substance of the charges is that Reksten, a member of the Moslem Brotherhood into his Cabinet, AP reports from Khartoum. The reshuffle came after government attempts to end food and fuel subsidies led to 10 days of rioting earlier this month.

Sudan Cabinet change

President Jaafar Nimeiri has removed seven ministers and brought the leader of the Moslem Brotherhood into his Cabinet, AP reports from Khartoum. The reshuffle came after government attempts to end food and fuel subsidies led to 10 days of rioting earlier this month.

Prague delays trial

Czechoslovakia is apparently delaying the trial of 10 civil rights activists to avoid it coinciding with the anniversary of the 1968 Soviet-led invasion, on August 21, AP reports from Vienna.

Chad accord reached

African Foreign Ministers in search of a solution to the Chad civil war have agreed on a general ceasefire and the disengagement of the Government of National Union in N'Djamena, according to Lagos Radio, Reuter reports. Representatives of Chad's warring factions attending the meeting in Lagos agreed to form a coalition Government, the Radio said.

court, where the verdict will be pronounced not by a judge but by a jury.

Reksten's defence counsel is also expected to stay silent during the trial for which the prosecution has called 33 witnesses many of them from abroad.

Today's case has taken three years to prepare. A Bergen court indicted Reksten on tax and currency charges in June 1976 following accusations by the Bank of Norway and the Inland Revenue.

The court previously refused to give police access to a file which lists the Reksten family assets all over the world — a

document which the Norwegian Press has christened the "black book."

The case against Hilmar Reksten has political overtones. His shipping companies in Norway which have been losing money all through the tanker slump are big borrowers from Hansa Bank of London. These loans have been guaranteed by the state-backed Norwegian guarantee institute. Critics in Norway's left wing Press have complained that "taxpayers' money may have to be spent to rescue Reksten companies while the Reksten family itself probably has extensive secret assets abroad.

Colony cuts loan growth

BY PHILIP BOWRING IN HONG KONG

BOWRING TO pressure from a worried government, Hong Kong's Exchange Banks Association, the cartel of leading banks, announced on Saturday another 1.5 per cent increase in the prime lending rate to a new record of 14.5 per cent.

Deposits rates were increased by similar amounts so they now range from 9.25 per cent for three months and savings deposits to 12.5 per cent for 12 months.

The association said it was responding to both market and monetary conditions. It noted the recent increase in interest rates worldwide. However the extent of the rise indicated an attempt at shock tactics to deter loan growth. Credit has grown at over 46 per cent over the past year.

Despite a succession of interest rate rises taking prime from only 6 per cent a year ago and government appeals for slower loan growth, June figures showed lending still growing at an annual rate of about 36 per

cent. Critics have accused the banks of moving very belatedly, both to raise interest rates—the last rise was in April—and continuing to grant big loan increases.

Whether the new rate rises will bring a rapid reduction in credit growth remains to be seen. There is a feeling that it will dampen spending on consumer durables but the banks are already overcommitted to loans to the building and property sectors so may continue lending to increase lending to meet these commitments. At the same time property developers and home buyers are unlikely to be prepared to leave buildings uncompleted.

The interest rate rise is likely to cause the HK dollar, which had been firm in anticipation of an increase to recover further but the stock market is likely to see an abrupt end to its recent Indian summer. Hong Kong now faces both record interest rates and a weakening export outlook.

MENACE, MYTH OR MAGIC FORMULA?

see page 5

WORLD TRADE NEWS

WORLD TEXTILES

Italy reacts against French imports curb

BY ROBERT MAUTHNER IN PARIS

THE ITALIAN Government intends to lodge a complaint with the EEC Commission in Brussels regarding the recent decision by France requiring importers of sweaters to apply for authorisation before bringing the goods they have purchased into the country.

This was stated by Sig. Guido Artoni, the president of the Italian Textile Industry Federation, in an interview with the French economic newspaper *Les Echos*, in which he also expressed the opinion that the Italian

Government would take reprisals against some French exports to Italy.

The French authorities last week introduced what they described as a "technical visa" for imports of sweaters from OECD countries, which had risen by nearly 35 per cent in the first five months of this year.

Officials emphasised, however, that this measure was aimed purely at monitoring the quantities of sweaters involved and their country of origin. Import licences would

be automatically granted on request, they said.

It is nevertheless clear that the measure was aimed mainly at Italian exporters and that the requirement of a technical visa is an administrative obstacle to trade which appears to be contrary to EEC regulations, particularly since the Commission's prior permission was not sought.

Replies to French critics

Artoni did not deny that such a market existed in Italy.

But, he claimed, that it represented only a very small proportion of textile manufacturers and that its production was destined mainly for the domestic market and not for export. Moreover, the cost of an hour of labour in the official Italian textile industry was higher than it was in France, he said.

The main reason why the Italian textile industry was more competitive than that of its European neighbours was its modern equipment.

U.S. renegotiation moves worry Asia

BY PHILIP BOWRING IN HONG KONG

HONG KONG, South Korea and Taiwan are becoming increasingly worried by U.S. pressure to renegotiate bilateral textile agreements to make them even more restrictive.

The U.S. pressure to go back on agreements concluded under the Multifibre Arrangement which are less than two years old may harden the attitudes of developing countries generally at Geneva where talks on trade "safeguards" are taking place.

Ironically, the U.S. pressure on its three largest developing country suppliers of textiles and garments comes at a time when European countries are up in arms against an alleged U.S. invasion of their synthetic fibre and fabric markets.

The U.S. pressure on Asian suppliers is the direct outcome of a paper published by the U.S. Administration in February on "assistance for what is termed the ' beleaguered ' U.S. textile industry."

The textile programme outlined in the paper was described as "an integral part of the recent Tokyo Round trade talks of the General Agreement on Tariffs and Trade, concluded in Geneva and which has received Congressional approval from the U.S. and other key industrial countries.

This is seen as meaning that the programme is a quid pro quo for getting U.S. industry and Congressional support for the tariff cuts and other aspects of the Tokyo Round talks.

Now the U.S. is trying to pressure the "leading major exporting countries"—meaning Hong Kong, South Korea and Taiwan—to enter into negotiations. All three have unwillingly agreed to meet with U.S. officials to discuss market disruption. They say that flexibility is essential for an industry as volatile as textiles, which is subject to quick fashion changes as well as sharp economic cycles. Abolishing flexibility would make the market less able to cope with consumer demand fluctuations.

The three major exporters are likely to fight hard to maintain flexibility.

They will probably fight even harder against another outline proposal in the U.S. Adminstration.

As U.S. pressure for renegotiation increases, major supplying nations will argue that Washington is in no position to ask for further restrictions on the basis of market disruption when their own industry's sales are already on a sharp decline.

However, the weaker the market for exporters, the weaker it is likely to be for domestic producers, and thus the stronger the pressure for additional protection.

A key factor in the U.S. equation could be exports. Though a big net importer of textiles, U.S. exports were a significant \$2.6bn (£1.2bn) last year, compared with imports of \$7bn. Imports this year are expected to fall 10 per cent in volume while exports should rise significantly, helped by the cheaper dollar, lower U.S. domestic oil prices which gives advantage to U.S. synthetic fibre and fabric makers, and the heavy investment in the most modern machinery seen in some sections of the U.S. industry.

For example, last year, which was a good one for textiles, Hong Kong's quota to the U.S. was about 80 per cent fulfilled. This year the figure is likely to be down to 70 per cent as the market has weakened. Any system basing quota levels on the previous year's actual trade will

not be effective.

Apart from battling the U.S. on the basis of the need to honour agreements, the Big Three Asian exporters will argue that the U.S. industry is not quite as " beleaguered " as is being made out.

At the same time imports

have started to soar, partly as a result of the depreciation of the Irish pound against sterling last March. The demand for capital goods has continued to grow and of course the depreciation has meant higher prices. Consumer durables like cars and other items have also continued to increase. It has become clear that the government's guidelines for an 8 per cent limit on the rise in credit

for this year is being vastly exceeded.

It could be that by the end of the year, the trade deficit will be almost double last year's which was something under £280m. In 1978, the trade deficit franked into a balance of payments shortfall on current account of £150m. This year the government has predicted a balance of payments deficit of at least £250m. It feels confident that reserves (currently about equal to four months imports) will not be badly depleted and says the balance of payments deficit will be covered by capital inflows.

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UK NEWS

Worsted mill to close as demand falls

BY RYHS DAVID, TEXTILES CORRESPONDENT

ILLINGWORTH MORRIS, the Yorkshire wool textile group, is to close one of its five worsted mills in Huddersfield with a loss of around 350 jobs, partly as a result of weak overseas demand following the rise in the value of sterling.

The company, Britain's biggest wool textile group with a labour force of about 9,000, is concentrating production of its Huddersfield fine worsted subsidiary at Kirkheaton, and is closing its Trafalgar mill at Huddersfield. The two mills employ about 760 people, including part-time workers. About 400 will be retained after the Trafalgar closure, which is to be phased over the next 12 months.

Fashion trends

The strength of sterling has had a sharp drop in sales of worsteds in two of the company's most important markets — the U.S. and Japan. Fashion trends over the past year have also swung away from worsteds — the UK industry's main speciality. This, too, has caused a sharp drop in sales on most markets.

In the first three months of the year, overseas sales of woollens were up in volume from 5.9m to 6.5m sq metres, but worsteds

showed a drop from 4.86m to 3.1m sq metres.

The industry has also been affected by higher imports of wool-textile yarns and fabrics and of finished garments into the UK. In June, numbers employed in the industry fell by a further 800 to under 54,000 against 58,000 a year earlier.

Restrictions

In response to pressure from the industry, new restrictions on imports of wooltops—combed wool for processing into yarns from South America were announced last week. The Department of Trade said quotas had been negotiated by the EEC Commission on imports of tops from Uruguay.

A similar restriction on imports of tops from Brazil was imposed on August 1. This will limit them to 104 tonnes during the rest of this year, rising to 568 tonnes in 1982.

The EEC is also imposing quotas on imports from Poland into the UK of men's and boys' jackets. These have risen from 39,000 in 1977 to 97,000 in the first half of this year. The permitted limit for the whole of this year will now be 120,000 units.

Retirement bond sales top £1bn

BY TIM DICKSON

ALL-TIME sales of the National Savings Movement's index-linked retirement certificates reached the £1bn landmark last month. Receipts in July of £27.6m from the issue contributed to a net inflow into the National Savings coffers of £26.6m, or £72.3m, including accrued interest.

Net receipts for the month from the retirement certificates, which must be held for at least a year and which are available only to men over 65 and women over 60, were the best so far this year. In the first four months of the 1979 financial year, they were more than

double the figure of the comparable period last year.

Receipts from the retirement issue are likely to be healthy this month, since anyone who buys them by August 31 will get the benefit of July's record rise of 4.3 per cent in the retail price index. Under the rules, the index figure to which the issue is linked is always two months behind the month when the purchase is made.

Elsewhere, the July picture was not so bright. Fixed-interest National Savings certificates, including the 18th issue, brought in a net £8.4m of new money, but premium savings bonds were disappointing, with

Small firms report criticised

Financial Times Reporter

THE CONCLUSION of the Wilson Committee on financial institutions that there is no "systematic bias" against small firms in the UK financial system is rejected today by the Association of Independent Businesses.

In an assessment of the committee's interim report published earlier this year, the association says such a bias exists. "If the fortunes of the independent business sector are to be improved, that financial bias needs to be acknowledged."

The association, which claims to speak for 25,000 companies, including a quarter of those with a turnover of more than £1m, makes a plea for the Wilson Committee to make better use of the abundance of evidence and research material available to it. Otherwise, "a valuable opportunity to examine ways of helping the British economy out of its present predicament will have been lost."

The association stresses that taxation is important in any consideration of the finances of small and independent businesses. It suggests that, if an analysis of taxation has not been possible because of the Wilson Committee's terms of reference, "perhaps the Government could consider changing the committee's ground rules so as to expedite the work."

It welcomes the proposal to permit UK companies to buy back their own shares, and supports Wilson's interest in a new kind of small firm investment company and loan guarantee schemes.

Tobacco cash lottery decision challenged

BY DAVID CHURCHILL, CONSUMER AFFAIRS CORRESPONDENT

IMPERIAL TOBACCO'S "Spot Cash" instant lottery promotion for some king-sized cigarettes is again to be legally challenged.

The Attorney-General will ask the House of Lords to reverse an Appeal Court decision last March which declared the Imperial lottery promotion lawful in every respect.

The Lords' judgment will be significant for the future use of instant lottery promotions in a number of consumer product areas as well as grocery retailing.

Imperial sought a civil court ruling that the scheme was lawful and the criminal prosecutions should not go ahead.

Although the High Court refused to make such a ruling, the Appeal Court ruled that the lottery was lawful.

Lord Denning criticised the DPP for acting "out of hand."

The criminal proceedings have been dropped now that the issue is to be decided by the Lords.

Although the "Spot Cash" promotion has been re-launched, it does not appear to be enjoying as much success as previously.

Imperial still, however, retains its overall leadership in the cigarette market, especially for the fast-growing king size sector, which now accounts for six out of every 10 cigarettes sold.

Imperial has some 45 per cent of the king-size market, followed by Gallaher with about a third and a 50 per cent jump in market share followed.

British-American Tobacco — a major competitor — complained to the Attorney-General that the scheme contravened legislation governing lotteries. The matter was passed to the Director of Public Prosecutions who decided to initiate criminal proceedings against several Imperial executives.

Imperial sought a civil court ruling that the scheme was lawful and the criminal prosecutions should not go ahead.

Although the High Court refused to make such a ruling, the Appeal Court ruled that the lottery was lawful.

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LABOUR

Telephone workers likely to go back after offer

BY OUR LABOUR STAFF

MEMBERS OF THE Civil and Public Services Association involved in the Post Office telephones dispute are believed to have voted for a return to work after a pay offer averaging 17.20 per cent.

The executive of the Society of Civil and Public Servants meets today to decide whether to recommend an improved offer to their technical and supervisory staff, who operate computer centres at Harmondsworth and Leeds.

But an official of the society's Post Office Data Processing branch said yesterday that tele-

phone bills could still be delayed. Although management expected the CPSA to end its 15-week strike, members of the SCPS were continuing their 18-week strike.

Without 80 key technical and supervisory staff who were in the SCPS, it would be impossible to restore effective computer services," he claimed.

Mr. Gordon Blair, vice-chairman of the branch said yesterday: "Hopes of a resumption of work in computer centres on Monday are merely wishful thinking."

Court staff in strike vote today

AN IMMEDIATE strike that might disrupt the working of London's magistrates' courts might be decided today at a meeting of nearly 500 administrative staff.

They will be told that the Home Office has refused their attempt to secure rises of up to 30 per cent by declining to discuss the claim.

The staff, members of the Society of Civil and Public Servants and the Civil and

Administrative Staff Association, which can only be designed to produce industrial ferment and to encourage our members to take strike action.

Mr. Alastair Graham, the association's deputy general secretary, said: "Members will be very bitter that a meeting has not taken place."

Any strike could be spread outside London by the Association of Magisterial Officers, representing 4,000 staff, halting maintenance payments and the issuing of summonses.

Perk cuts anger unions

GOVERNMENT PLANS

TO CRACKDOWN

ON PERKS

STARTING

WITH THE COMPANY CAR

WILL

FACE

VIOLENT TRADE

UNION

OPPOSITION

MR. TERRY DUFFY,

ENGINEERING

UNION

PRESIDENT

WARNED

YESTERDAY.

"IT IS APPARENT

TO ME THAT

THE GOVERNMENT

SEEMS TO BE

HELL-BENT

ON MAKING

DECISIONS

WITHOUT PRE-NOTIFICATION

OR CONSULTATION

WITH THE TRADE

UNION

MOVEMENT,

AND THAT MAKES US

COLLISION-BOUND,"

HE SAID IN A

BBC RADIO INTERVIEW.

"I SHOULD IMAGINE

THE TRADE

UNIONS WILL BE

REACTING

VIOLENTLY

TO THESE PROPOSED

CUTS."

THERE WERE MANY INDUSTRIES

WHERE EMPLOYEES RECEIVED A

BENEFIT AS A CONDITION OF EMPLOYMENT.

IF THAT BENEFIT WERE TAKEN

AWAY, MR. DUFFY IMAGINED AN

"ANGRY REACTION" FROM WORKERS.

SELLING COUNCIL

HOUSES WOULD LEAVE FEWER

COUNCIL HOUSES TO RENT

AND CAUSE DIFFICULTIES TO

FARMERS AND FARMWORKERS WHEN

EVER A FARMER NEEDED VACANT

POSSESSION OF A TIED FARM COTTAGE.

Who builds the breweries where the brewers brew the beer?

A brewery is not a factory. It's a meeting place of traditional skills and modern technology. It has to be designed and built as an entity.

It's no coincidence that John Laing have been selected as the main contractors for four of the most modern breweries in Britain. The Whitbread brewery at Luton, the Harp brewery at Alton, Watneys

London's brewery at Mortlake are all completed. The new Courage brewery by the M4 at Reading is well advanced, and the first pints of Reading-brewed John Courage should be drawn in 1979.

However, Laing are much more than specialist builders to the brewing industry. This advertisement could have been built round Laing's special

knowledge of building cathedrals, with Coventry Cathedral and the new Roman Catholic Cathedral of Clifton, at Bristol, to their credit. Or docks, constructed from scratch in the Middle East. Or hospitals. Or oil platforms.

More than 20,000 people give Laing this special knowledge in so many diverse fields of construction. Collectively,

they make Laing one of the biggest construction companies in the world. However, size in itself is no virtue. At Laing we believe that our strength lies not in our numbers but in our capability.

LAING
make ideas take shape

UK NEWS

**Shortage
of hares
worries
sportsmen**

By Christopher Farley
THE SLIGHT upturn in civil engineering work earlier this year appears to have petered out, according to the latest quarterly survey by the Federation of Civil Engineering Contractors.

The sporting "big" has

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Society has warned.

The society was considering

co-operating with the Game

Conservancy on a research

project, he said.

In France, where the population

was "approaching breakdown," numbers were kept up

by restocking. Some hares

were being bred in captivity,

but most were imported from

Hungary and Poland and

released to meet the demands

of the country's fine shooting

men.

In the first five years of the

1970s France imported

850,000 hares. The popula-

tion in France averages four

per 100 hectares of hunting

territory, but it is close to

nine per 100 hares in areas such as the Charente.

Italy has also had to resort to

restocking and this year

buyers have come to Britain

looking for hares. The initia-

tive has not been encouraging,

Mr. Stanford said.

In the current shooting has

been banned temporarily to

allow the population to re-

cover. The ban followed a

four-year investigation there.

In British sporting guns are

allowed to operate in only

half the national shot deer

area and this has helped pre-

serve the hare population

Civil engineers gloomy about future work

By ANDREW TAYLOR

THE SLIGHT upturn in civil engineering work earlier this year appears to have petered out, according to the latest quarterly survey by the Federation of Civil Engineering Contractors.

The outlook for the coming months is likely to continue

medium- and longer-term com-

mitments, particularly for

medium- and larger-sized con-

tractors, the federation says.

It warns that further public spending cuts on civil engineer-

ing projects would lead to

reductions of skilled teams of

engineers and operators.

This could leave the industry

unable to maintain basic ser-

vices like roads and sewers.

Overseas work would suffer.

The federation's survey of 214 companies in July showed that fewer civil engineers reported improved order books. Only 36 per cent of companies said that orders had increased compared with six months ago. In the last survey in April, 41 per cent said there were more orders.

While relative value of orders remained fairly stable, the work load in real terms deteriorated - 61 per cent of companies said that order volumes either declined or remained the same, against 56 per cent in the last

survey.

More companies were pessimistic about prospects for the next 12 months, with only 15 per cent expecting new orders, repair and maintenance work to increase in the period.

Main indicators for the industry, orders and employment, had weakened since the slight upturn in work indicated in the April survey. This improvement was due to the catch-up of work after the harsh winter.

Only 13 per cent of companies expected employment to rise in the next 12 months, compared with 23 per cent in April.

Consequently, the deficit between January and June was probably roughly £500m rather than £1.02bn as recorded to date.

This afternoon's announcement will attempt to adjust the figures back to January on a month-by-month basis for these distortions so there is no carry-over of understated imports beyond July.

The Department of Transport is likely to stress that while the figures will allow for distortions arising from the disruption to the information flow, the month-to-month outcome will still be distorted by sharp fluctuations in the flow of goods through ports in the first half of this year caused by the road haulage dispute.

Greenwell believes that the authorities will intervene at

the earliest opportunity to ease the financial squeeze on industry and the recession from being as severe as that in 1974-75.

The firm's monetary bulletin, published this morning, argues that when the coming recession starts feeding on itself, monetary growth will become inadequate. The extent of the inadequacy can be offset by a rapid reduction in interest rates and by a rationing of official sales of gilt-edged stock.

A possible external alternative to sterling is the broadly defined money supply, grows at 10 per cent a year in nominal terms and the inflation rate peaks at 17 per cent this winter, the fall in the money supply in real terms in 1978-80 should be considerably less than in 1975-76 and similar to the drop in 1969-70.

Consequently, the coming recessionary pressures should be similar to those in 1969-70 and considerably less severe than those of 1974-75.

The projections are based on those in the London

Financial Times' latest forecast, except that the brokers believe that public-sector borrowing in 1980-81 will be £5bn. That compares with £10.5bn in the Business School

projections.

The firm believes that if action is not taken, the financial deficit of industrial and commercial companies (excluding North Sea oil) might almost equal the worst of 1974-75 in real terms, or about 41 per cent of Gross Domestic Product.

However, given that property companies bore the brunt in 1974-75, the outlook facing non-property companies might be even worse than their experience in 1974-75.

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Today, some companies still think all they need to do to gain the public's attention is to go in front of a press, heating or radio microphone.

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It includes examples of successful campaigns.

It also shows strategy and tactics. It discusses the methods you can use to teach specific audiences.

And, most helpful of all, it provides you with a detailed checklist from which you can select the best of all three to determine how your company could benefit from a corporate advertising campaign, such as when you want to keep up a leadership position, or demonstrate your commitment to the community.

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You can get a free copy of this new brochure simply by completing and returning the coupon below.

We can't guarantee that your advertising will keep the public on your side all the time. But what you'll learn from "Corporate Ad. strategy: Methods, myth or magic formula?" will certainly alert you to attitude towards your communications policies.

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FINANCIAL TIMES
LONDON'S LEADING NEWSPAPER

Is this the right way to raise capital funds?

Some people will go to almost any lengths to try and raise capital funds.

But, when all is said and done, sheer determination will never be enough, on its own. What's needed is a sound reputation. And that reputation has to be established before you can expect to raise any kind of capital.

Advertising builds reputations

Corporate advertising is one way of achieving that objective.

Intelligently used as a corporate communications vehicle, effective corporate advertising not only enhances and improves, it also helps to develop—and confirm—sound and astute attitudes within differing groups of people.

Far from hindering your company's relations with the financial community, it can only improve them. Now and in the future.

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Recognizing the value of corporate advertising is not enough. Getting it right is another.

In order to relate to your company, it has to relate to its audience. It demands a long-term commitment. And, obviously, it has to be done well.

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"Corporate Advertising: Message, truth or magic formula?" not only discusses the importance of corporate advertising, it tells you how to go about it.

It includes a sampler of successful campaigns—it's all about strategy, and timing. It shows the reader how to use to reach specific audiences.

And, most helpful of all, it provides you with a detailed checklist item by item, so you can begin to review all those occasions when your company could benefit from a corporate advertising campaign, such as when you want to raise investment capital, or decide the goodwill of the financial world.

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We can't guarantee that your ad, advertising will improve your standing overnight. But what you'll learn from "Corporate Advertising: Message, truth or magic formula?" will certainly alter your attitude towards and, in particular building.

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Name:

COTTON:

Address:

Country of residence:

Postcode:
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Name of firm/organisation:

FINANCIAL TIMES
LONDON STOCK EXCHANGE

Is this the best way to woo your customers?

The way some people attempt to win new customers, you'd think impositions speak more than products, factory more than service.

In truth, of course, business is a pretty down-to-earth affair.

Yet a certain segment of corporate-building will never go amiss. What it does is how you go about establishing relationships.

Advertise now for the future
Corporate advertising is one solution to the problem.

Intelligently used as a business communication vehicle, effective corporate advertising not only educates and informs, it also helps to develop - and reinforce - ideals and attitudes among a widely differing group of people.

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Recognising the value of corporate advertising is one thing. Getting things right is another.

It has to relate to your company. It has to relate to its audience. It demands a long-term commitment. And, obviously, it has to be done well.

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of books will be supplied
at cost price.

FINANCIAL TIMES
ADVERTISING SUPPLEMENT

Is this the best way to lobby Government?

No doubt there have been times when you've thought the business of the State to be unpredictable, both at national and local levels.

Times, for example, when your company's future seems to have hung by a thread on the decisions of councillors or MPs.

It's then you may have wished other firms had a clearer understanding of your business interests.

Put your case through advertising

Corporate advertising is one good way of putting your case to either politicians or civil servants.

Individually used as a public communications vehicle, effective corporate advertising not only educates and informs, it also helps to develop - and confirm - links and relationships among widely differing groups of people.

Those who control the corridors of power are no exception.

Getting the right results
Recognising the value of corporate advertising is one thing. Getting it right is another.

Ideas to relate to your company. It has to relate to your audience. It demands long-term commitment. And, obviously, it has to be done well.

To Arthur
Vizard,
Financial Times,
32 Fleet Street,
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NAME

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COMPANY

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A guide to successful work

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You can get a free copy of this new book, simply by completing and returning the coupon below.

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Financial Times
32 Fleet Street
London EC4P 2EE

FINANCIAL TIMES

Is this the best way to reach overseas markets?

There are still some people who think all they have to do to achieve overseas sales is to get out there, the number one place and have their name like a flag around their neck.

It may work, for a few. But, for most, careful preparatory ground-work is essential before success can be theirs.

Tell me and these sell
Corporate advertising is one way
of making you market.

Independently used as a sales communication vehicle, effective corporate advertising not only informs and influences, it also helps to develop - and confirm - ideas and attitudes among widely differing groups of people - at home and overseas.

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Which is why we've produced a book to help you get it right.

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"Corporate Advertising: Menace, myth or magic formula?" not only discusses the importance of corporate advertising, it tells you how to go about it.

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And, most helpful of all, it provides you with a detailed checklist from which you can begin to identify all those occasions when your company could benefit from a corporate advertising campaign; such as when you're planning an overseas sales drive.

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For further information, Financial Times, Paddington Street, London W1A 2EE, Tel 01-580 2622.	
NAME	POSITION
COMPANY	
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NATURE OF BUSINESS	
	

FINANCIAL TIMES
EUROPE'S BUSINESS NEWSPAPER

**Now you've seen our advertisements,
isn't it time you thought about your own?**

Above you see our six-part campaign for corporate advertising.

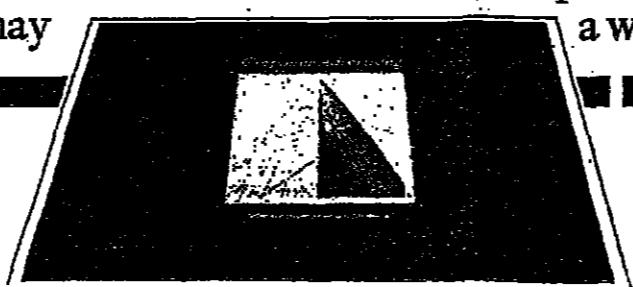
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Technical News

EDITED BY ARTHUR BENNETT AND TED SCHOTTERS

Safety

Fast braking system

DYNAMIC braking equipment to stop most types of three-phase induction-motors of up to 5 hp, rapidly and consistently, comes from Tronic Electronic Services of Ulverston, Cumbria.

Equally suitable for operator protection or repetitive process control, this Dynabrake system is capable of emergency stopping a motor driven in less than 0.1 seconds. The braking period can't be extended, if required, by the adjustment of a multi-turn potentiometer.

Dynabrake does not rely on conventional dc injection or mechanical methods to achieve braking. It operates, instead, on a precisely-timed phase selection principle developed at the University of Newcastle-upon-Tyne and is the first commercial exploitation of this development.

Self-excitation is induced at one set of stator windings, while a low impedance path is introduced, by way of thyristors.

Tropic is at Lund Road, Ulverston, Cumbria, LA12 9BG, Ulverston 55550.

Protects the welder

HIGH LEVEL of protection, low weight, extreme comfort and wide visibility are characteristics of a new Airstream welding helmet announced by Racial Safety.

Intensive research and development work into new methods of protection demanded by many industries has led to the AEC MK2 and the version is a totally new Airstream with benefits of lung, eye, face and head protection tailored to guard welders against many of the potential hazards encountered in their work. The new model joins the Airstream family of anti-dust helmets of which over 60,000 units are in worldwide use.

Better ultra-violet protection and a redesigned welding shield go with low weight, good balance and high visibility when the welding shield is in use.

The pivoted head shield is supplemented by a tough polycarbonate clear visor—giving protection to BS2091 grade 1—mounted underneath. When the head visor is hinged up for inspection or grinding/fitting, the clear visor remains in position to protect the wearer against dust and grinding debris.

Further from Beresford Avenue, Wembley, Middx HA9 1RU.

Components

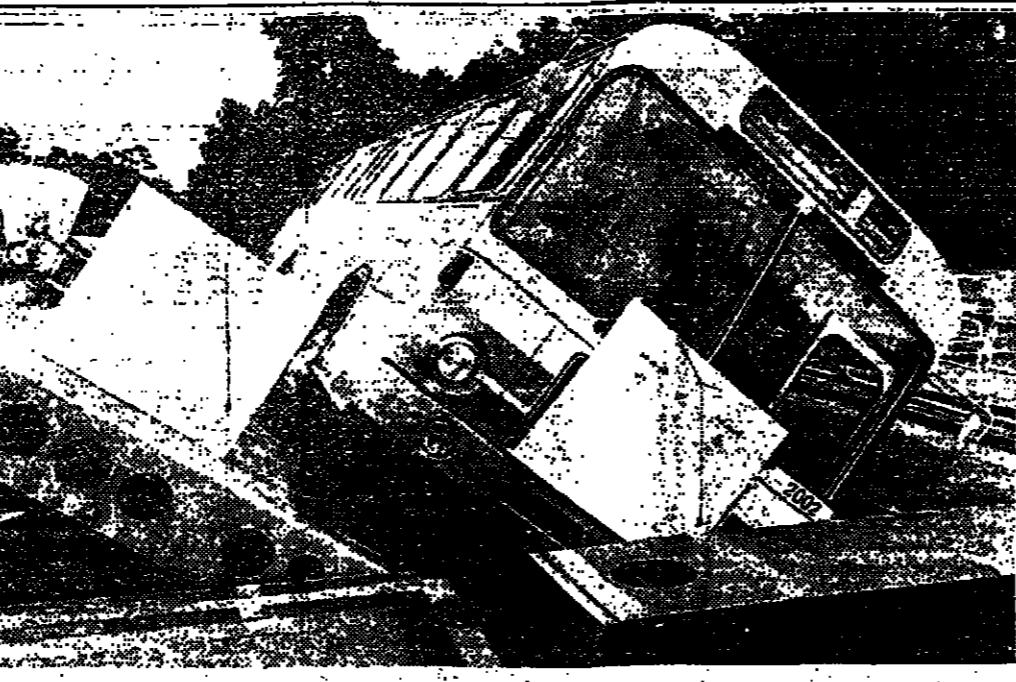
A brilliant display

SPECTRA-TEK has a new rail and an onboard dc/dc converter gives the 180 V discharge supply voltage.

Options available are a 3½ digit panel meter type display or a 4 digit module; colon and decimal points are also available. The displays can be stocked in multiples of four digits in an integral bezel.

Emphasis of particular digits can be made by varying filter colours.

A 5 V power supply drives the logic. A further 12 V power



A M.A.N. 130-passenger Bendibus undergoing a 35-degree tilt test at the Military Vehicle Engineering Establishment at Chobham, Surrey. Five of these articulated buses are to be operated this autumn in Sheffield by the South Yorkshire Passenger Transport Executive.

Built in Germany by M.A.N.-VW Truck and Bus, which has its UK headquarters at 361-365 Chiswick High Road, London W4 4HS (01-995 3121), the buses are each 17 metres long and powered by an 11.4 litre 6-cylinder underfloor diesel engine.

Computing

Processing problems solved

FOLLOWING THE launch in January this year of the personal computer hire facility by Aughton Automation, interest from the process field has been mounting. Since Aughton's own background is in process instrumentation hire and measurement and control system design and contracting, the company is able to combine these activities with microcomputing to offer complete pilot systems.

Typical applications include overcoming automation problems on small systems requiring a mix of sequence and continuous control, the establishment of experimental data acquisition and analysis systems, and the provision of peripheral "number crunching" facilities for laboratory instrumentation requirement.

Software and hardware back-up for system design is being provided through an association with Dr. Malcolm Taylor of the Liverpool University Computer Laboratory. The Laboratory's Microprocessor Unit is supported by an ICL 1806S which holds cross assemblers and simulators for microprocessors including the 8030, 8000, 8900, 280 and the 8086 for development work.

Aughton Automation, Woodward Road, Kirkby Industrial Estate, Kirkby, Liverpool L33 7UZ, 051 548 6080.

Aughton also offers a sale and leasing service to determine the best microcomputer for any given

system requirement.

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MANAGEMENT

EDITED BY CHRISTOPHER LORENZ



Donald Petersen, executive vice-president.

Ford sees its target for the 1980s as production of a 'rational' car

BY KENNETH GOODING

So it takes time for a group to build up its international operations. And it can take even longer before the work begins to pay off in financial terms.

Mr. Petersen maintains: "While this year's investments are making the news, the even greater investments made over a much longer period of time are just now beginning to bear fruit for those companies which had the determination and foresight to invest carefully and steadily over the last decade and a half. These investments are not just in plants, but in sound, experienced management, strong and broad dealer networks and cars and trucks designed to serve the varied markets of the world."

"It is time-consuming, and the returns on investments do not come immediately. Only in the past few years have Ford's overseas operations really begun to return the investment we have committed to our overseas affiliates, many of which have celebrated the 40th, 50th or 60th anniversaries of their formal founding."

But then it has only been in fairly recent times that automotive market growth outside North America has overtaken in the U.S. and Canada. Between 1965 and 1977 while the North American market was growing, the market outside was showing a 4 per cent improvement.

Ford in particular has been able to offset its recent problems in the volatile U.S. market by its overseas operations. The contribution of what are termed "international automotive operations" to total group profits for 1978 rose from 5 per cent in 1977 to more than 50 per cent in 1978.

It can be argued that the Model T was the first "world car". In 1911, only eight years after the Ford group was founded, it was being built in Manchester, England, and became England's best-selling car the next year. In 1913 assembly began in France and in 1916 the first Latin American

The third article in a series on the concept of a world car looks at the strategy of Ford to the strategy of its major U.S. competitor and the way it has already put plans in hand for a new phase in its world car programme.

car assembly plant was built in Argentina. Between then and 1925 new assembly plants were started in Denmark, Spain, Brazil, Uruguay, Italy, Belgium, Sweden, Chile and Japan.

Through Ford of Canada, the Model T penetrated the British Empire with assembly in Australia, New Zealand and South Africa. By 1924 Ford had built and sold 10m Model Ts.

Today the Model T tradition is being followed by the Cortina (built in four countries and exported to 100), the Escort and the F-series trucks.

This is possible because Ford has long been established on the five continents and organises its production to reap the economies of scale this provides. Two years ago Sir Terry Beckett, chairman of Ford UK, gave an indication of just how large these economies had become. He explained that Ford had compared the costs of producing a Cortina with those of producing a competitor close in terms of design, but only being built at a third of the Cortina's volume. The difference in cost, attributable to economies of scale only, was £170 per car.

Further stage

But in the 1980s Ford will take the "world car" concept a stage further, to what Mr. Petersen calls the "rational car". There will be many reasons behind their varied levels of appeal and performance from country to country. They are likely to be vehicles with varying levels of common components and often great similarity of design. But still there will be enough locally appealing features to make them desirable with customers in widely differing markets."

New vehicles being planned for the 1980s will have to be built not only internationally but inter-regionally. "By encouraging specialised high-volume manufacture and sourcing of parts and components among countries con-



The Ford Fiesta, the smallest car in its range and its first with front-wheel drive.

tributing to a final Ford product we hope to obtain superior quality as well as economies of scale that will mean competitive prices for Ford vehicles."

Mr. Petersen insists that the "rational car" holds advantages both for the companies and the countries that share in its manufacture.

"For manufacturers it allows great savings by reducing complexity and costs and substantially raising the overall quality of the product round the world. It brings to countries with what we call 'orphans' products the newest and best in automotive technology, replacing older designs which otherwise we could not afford to change."

In this context he points out that, although Ford has no assembly facilities in France, it has a major presence in the automotive industry there through its Bordeaux transmis-

Mr. Petersen maintains that there is a price to pay for this new way of operating and that price "may involve giving up the luxury of self-sufficient domestic industries surviving behind artificial barriers of tariffs and local content regulations."

Ford will have to spend about \$20bn between 1978 and 1985 to produce cars and trucks which will meet the stringent U.S. Government regulations.

Although the group would prefer not to have to spend so much so quickly, by doing so it will create a global pool of

technology and expertise that will be shared by all Ford companies around the world.

The pressures have made it worthwhile for Ford to set up computer links between its design and engineering teams in the U.S. and Europe so that they can compare notes quickly.

Ford's first "rational" car will not be on the road until about 1984. Meanwhile it will go part of the way down the route with the Erica, due next year to replace the Escort in Europe and the Pinto and Bobcat in the U.S. Erica will play a vital part in helping Ford meet the corporate fuel economy figures set by the U.S. Government but observers in the U.S. maintain it will not make one cent in profit.

Mr. Petersen admits: "It is difficult to make money on small cars in the U.S. because it is an open market and the Japanese have set the going prices." But he insists the Erica will be profitable in Europe.

In spite of its long history of international activity, Ford has still to complete one important piece of tidying-up. It is in the process of buying 25 per cent of Toyko Kogyo, Japan's fourth-largest car producer and number three in the commercial vehicle league for around \$55m.

Mr. Petersen says the deal will achieve two things. It will cement the commercial arrangement between the companies.

Toyko Kogyo, the Mazda car group, will supply Ford with manual front-drive transaxles

- Sales in 1978 outside North America—\$13bn (\$11.2bn).
- International Automotive Operations (IAO) net income in 1978—\$770m (\$705m).
- IAO's contribution to worldwide pre-tax profit rose from 7 per cent in 1971 to over 50 per cent in 1978.
- IAO accounts for more than one in every four dollars of Ford's worldwide sales.
- IAO accounted for more than one-third (\$8.3bn) of Ford's total net assets in 1978.
- IAO has 48 major manufacturing and assembly facilities in 18 countries, with 80m square feet under cover.
- IAO employs more than 200,000 people, 45 per cent of total Ford products are sold in about 200 countries and territories by about 14,000 dealers.

for Erica and may also sell four-cylinder diesels for use in the same vehicle. An equity link will also help oil the wheels when the two groups get down to developing components jointly.

Validity

Then, although Ford is doing quite nicely in the Asia-Pacific area, it must be assumed that if the "rational car" concept has any validity Japan will remain the primary manufacturing base for the area. "The economical producers are based in Japan so in the long run we have to assume that the present restrictions on exports will diminish and the fundamental economics will come into play," says Mr. Peter-

son. "Ford's first "rational" car will not be on the road until about 1984. Meanwhile it will go part of the way down the route with the Erica, due next year to replace the Escort in Europe and the Pinto and Bobcat in the U.S. Erica will play a vital part in helping Ford meet the corporate fuel economy figures set by the U.S. Government but observers in the U.S. maintain it will not make one cent in profit.

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Both Brazil and Argentina are developing "internal" industries with high local content requirements and Ford, operating in both countries, has had to adapt to that. But there is potential for a good degree of co-operation between the two countries, Mr. Petersen maintains. "Argentina is aware how high-cost and inefficient its industry has become because Ford co-operated with the government to show how a closed type of industry led to this. So new regulations have been promulgated and this will generate some activity and possibly some co-operation

between Argentina and Brazil."

Ford is also ready to adapt to the requirements of the Andean Pact countries—or of which Venezuela is a prominent member—as they develop.

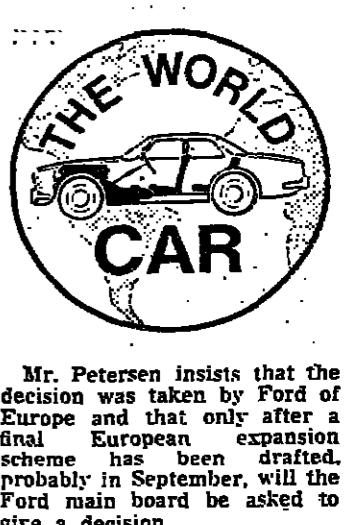
Europe remains the backbone of Ford's overseas operations and an area in which substantial investments continue to be made—\$300m on the Bridgend engine plant in Wales due on stream soon; \$70m over the next five years on engineering and product development in Germany, and \$1.3bn in Britain (including Bridgend) between 1978 and 1982 to increase capacity at Halewood in the immediate future, among other things.

But Ford has, amid huge publicity, decided not to go ahead with a new plant in Europe.

Mr. Petersen says the question had always been whether Ford should first expand its existing European plants then follow with "greenfield" development or go for the "greenfield" site first and then expand the current plants.

"The trouble is that when you are looking at the potential for greenfield sites in countries where you are not doing business at the moment it catches the public's eye. We did that part of the exercise in a goldfish-bowl type atmosphere.

"So when we finally decided not to go for a greenfield operation we thought we had better say so publicly and quickly."



Mr. Petersen insists that the decision was taken by Ford of Europe and that only after a final European expansion scheme has been drafted, probably in September, will the Ford main board be asked to give a decision.

He adds that Ford of Europe has done some recalculations in the light of what has happened in Iran. "We felt we had to put some weight on that factor in projecting future growth. We also re-examined financial cost projections."

(His current projection is that world passenger car demand over the next ten years should rise by about 30 per cent and truck demand should continue to be strong.)

Mr. Petersen insists that "in the long haul" Ford will be spending more on its overseas operations than General Motors.

Because Ford has had to find so much cash for the changes in the U.S. it is rumoured that the group has banned all export of capital from the States for the time being. Mr. Petersen points out that in the past ten years \$3bn was spent on the overseas operations—"all the cash was going in the other direction."

He expects competition outside North America to become progressively fiercer: not only because General Motors is now

making a determined effort to improve its market share but because all of the top five automobile groups are elbowing each other in an attempt to give themselves more room. A whole range of joint ventures will enable those smaller groups of less than 2m-units a year to fight on the world battlefield.

"Because of the huge sums needed to stay competitive, we are becoming accustomed to dramatic alignments and joint ventures with local capital. Some of these alignments seem to prove that it has now become cheaper in many countries to buy plants that to build them," Mr. Petersen suggests.

"Ironically, it may be that during the next decade some companies will be getting bigger in order that their cars become smaller."

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Wilson proposals 'will not revitalise firms'

WHILE THE interim report published by the Wilson Committee on financial institutions earlier this year has helped to draw attention to some of the problems of independent businesses "it falls a long way short of a comprehensive package capable of restoring the sector's viability."

This is the view of the Association of Independent Businesses, an organisation which represents about 25,000 firms and which claims to number among its ranks one-quarter of those companies in the UK which have a turnover of over £1m.

The association's comments are contained in an assessment, published today, of the Wilson Committee interim report. Its criticisms and recommendations produce no real surprises. For example, the association reckons that, in contrast to the Wilson view, a bias against smaller firms does exist, and it also

argues that any fresh sources of external capital for small companies, or any loan guarantee schemes should be administered in the private sector, rather than by government.

The AIB strongly insists that the Wilson Committee's terms of reference should have allowed it to appraise the effects of taxation on smaller companies. Indeed, it suggests that the new Government might even alter the committee's guidelines so that, before it produces its final report, it might make some recommendations in this area.

The omission by Wilson of any consideration of taxation effects was essentially due to the subject being considered "political". The AIB, however, maintains that there are a number of questions about tax which are not at all political. "The AIB remarks: "We cannot agree: any structure which assists one part of industry and commerce more easily than another is by definition biased against the latter."

The financial bias must be acknowledged, but not by reorganising the well-tried financial structures which serve other purposes well. Instead, there should be a complementary bias elsewhere in the system.

A more liberal lending policy among the clearing banks

should also be encouraged, says the association. Provided the first money at risk is always the proprietor's, a bank could go somewhat further than it does at the moment.

The association wants a rather different form of financial intermediary to channel equity into independent business than that suggested by Wilson. It cites the U.S. and outlines a three point plan as being worthy of consideration.

This system which has for the most part already been widely discussed—would allow Small Firms Investment Companies to take in privately subscribed capital; to augment capital subscribed by risk-bearing equity with borrowings up to three times the equity subscription; and give the right to change any losses arising on the realisation of such investment against income tax.

The financial bias must be acknowledged, but not by reorganising the well-tried financial structures which serve other purposes well. Instead, there should be a complementary bias elsewhere in the system.

A more liberal lending policy among the clearing banks

Nicholas Leslie

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LOMBARD

Fastnet's tragic economics

By ANTHONY HARRIS

THE Fastnet Race has been tragedy enough; but the public reaction to it would well prolong the agony for all who love sailing. It is likely to reinforce the drift towards official interference in what is the freest of recreations and the most complete escape from City pressures that many of us can imagine. Yet the comment which has so far appeared seems to suggest interference of the wrong kind—banning small boats, interfering with the running of races; in short, as usual, seeking scapegoats and treating symptoms.

Philosophy

In fact a tragedy of this kind has been waiting to happen for some time. The reasons are partly technical—and so far as they are technical, they have already been attacked by the racing authorities, with results which should become apparent in future designs. However, the reasons are also partly related to the philosophy one could almost say the economic philosophy of the sport, and that has not changed radically. For the good of the sport, perhaps it should.

The elite of sail racing has always been and remains a sport for the very rich. Since the days when Sir Thomas Lipton devoted some of the millions he had made in making retailing efficient (and incidentally cutting the urban cost of living by about a third) on campaigning his magnificent J-class yachts. The sailors in those days were largely professional: the rich contributed the yachts.

Ocean racing has happily become an amateur sport so far as the crews are concerned: but money remains at the root of it. The races are sailed under handicapping rules of the greatest complexity, which are intended to allow and to encourage innovation. Indeed, no serious contender can be designed these days without a computer analysis of the rules, to calculate the trade-offs between the handicaps applied to various features and dimensions, and the possible speed to be gained, and probably the consultancy of a hydraulic research station too.

This process is naturally very expensive: but racing under restricted rules has been "democratised" by applying the same approach to progressively smaller boats. Within each class, however, it remains true that money has a lot to do with who wins the race. It is virtually never won by an old boat.

In two ways this approach has courted danger. First, the actual rules have encouraged the development of what are in effect oversized racing dinghies, which skim over the water rather than cleaving through it. Such boats encourage the running of risks: for whereas traditional craft actually go slower if they are carrying excessive sail, as they wallow through the water, skimmers can be driven to the limit.

This fact should involve disconcert, whether risk to life in sound design, but competitive innovation has a further effect: the fine speed margins required depend on cutting weight and underwater drag to a bare minimum, slimming down keels, steering assemblies and rigging to the point of fragility. Designers as well as helmsmen run risks.

This seems to me still to attack the symptom rather than the cause. It is surely regrettable that sailing is made into such a money-sport by its rules, and effectively reserves the prizes for those who can afford a new craft to a new design each season. There is a clear alternative: the Olympic approach, seen equally in all dinghy classes, in which the major awards are won in classes of craft as near as possible identical, and are won solely by care in preparation and skill at the helm.

More sporting

Equally important, risk-taking at the design stage is effectively ruled out. If a class is to be built in hundreds, nothing must be fragile; the need for modifications and their cost would discredit the class. There is no good reason why such classes should not reflect modern thinking on fast sailing as it develops—the risks involved can be limited.

What is really lacking, however, is prestige. Here both the sailing authorities and those who spend such fortunes on their own competitive efforts could help. Sponsorship of a top class for one-designs would soon establish its prestige if it could attract the support of those who have a vested interest in the present more exclusive approach, and perhaps a fraction of the money they spend. All-comers' races would then remain simply what they once were—a bit of fun. In this way, not only would lives be saved, but the sport of kings would be more sporting.

5.55 Nationwide (London and South East only).
6.20 Kick Start.
6.50 Ask the Family.
7.15 Explorers of the Deep.
8.05 "Grand Prix," starring James Garner (part 1).
9.00 News.
9.25 "Grand Prix" (cont.).
11.15 World of Panorama.
12.05 am Region 1 News.
All Regions as BBC-1 except at the following times:
Scotland—5.55-6.20 am Reporting Scotland. 12.05 am News and Weather for Scotland.
Wales—1.30-1.45 pm Pill Pals. 5.55 Wales Today. 6.15-6.20 New edition. 6.50-7.15 Tomorrow's World. 12.05 am News and Weather for Wales.
Northern Ireland—4.18-4.20 pm Northern Ireland News. 5.55-6.20 Scene Around Six. 12.05 am News for Northern Ireland.

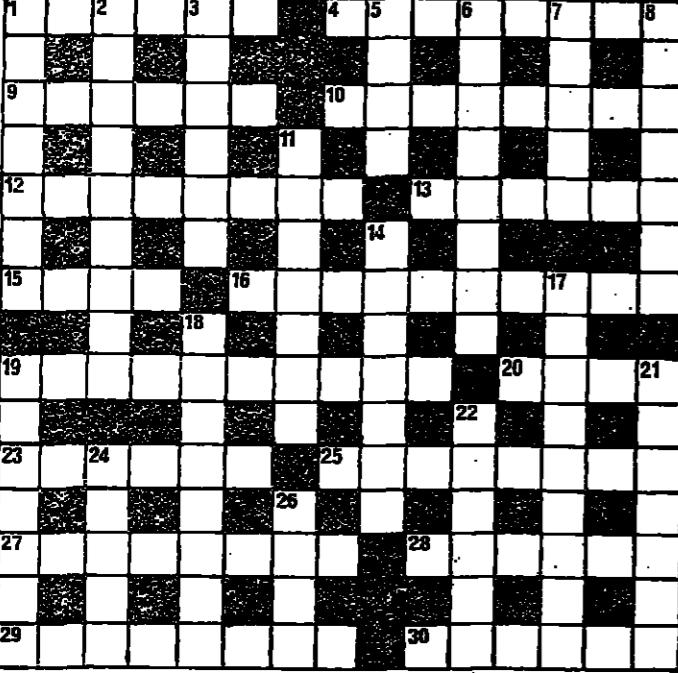


BBC 1

+ Indicates programme in black and white

6.30-7.35 am Open University ('Ultra high frequency only). 9.50 Magic Roundabout. 9.55 Jackanory. 10.10 Don and Pete. 10.15 Desert Adventure. 10.35 Take Hart. 11.25 Cricket: Third Test. England v India. 1.30 pm Trumpton. 1.45 News. 2.05 Cricket: Third Test. 4.18 Regional News for England (except London). 4.20 Play School (As BBC-2 11.30 am). 4.45 Jigsaw. 5.10 Big John, Little John. 5.35 The Wombles. 5.40 News.

F.T. CROSSWORD PUZZLE No. 4.052



- 1 It's the bird to talk lightly about us (6)
4 The fellow gets an order for bacon (4, 4)
9 A foreign type—not upright (8)
10 A saint to beat in Wales (8)
12 A small-time criminal in infamy (8)
13 Search about, but they are not all marble (8)
15 Port transaction (4)
16 Submit a sound reason for the doctor's visit (4, 2, 4)
19 Diarist's suggestion for retirement (3, 2, 2, 3)
20 Chooses a different post (4)
22 There is little money for a good man with a place in Bucks (6)
25 Don Quixote's lady-love may include a variation (8)
27 It is unavailing to turn a shooter on a politician (8)
28 Here is a theologian to hazard a guess (6)
29 Proves unreliable like a dress with a hem (4, 4)
30 Cuts off the prophets about five (6)

DOWN
1 "But now I am cabin'd, —,

- confined" (Macbeth) (7)
2 The right celebrity comes before the council (9)
3 An broken birth and no mistake (6)
5 An animal brings Eugene to book (4)
6 — to a satyr" (Hamlet) (8)
7 Struck a distinguished companion and caused a hold-up (9)
8 South American country has Sarah under examination (7)
11 Wartime cocktail (7)
14 Money coming in to engineer a meeting-place (7)
17 Once thoughtful and costly (9)
18 Troubled spots for Edward (8)
19 Team magazine (7)
21 Authorless takes in a sort of square for those who have endurance (7)
22 The voice of the doers (6)
24 Unwrought gold must be entered (5)
26 Upward attraction (4)

The solution of last Saturday's prize puzzle will be published with names of winners next Saturday.

1 "But now I am cabin'd, —,

Lessons from the Rossmminster case

THE SECOND ACT of the Rossmminster drama was concluded last week in the Court of Appeal, by a judgment which gratified not only those who like to see the tax man defeated but also those with a wider concern for the protection of the citizen against abuse of bureaucratic power.

One can assume that in addition to helping with the investigation of suspected tax offences, the raid on the Rossmminster premises could also yield information about the clever legal schemes that are being used by such successful practitioners. Without knowing about them the Inland Revenue can hardly propose legislative changes which would stop them.

The Revenue officers who carried out the raid in the early hours of July 13 were no Gestapo-type guerrillas but, as Mr. Plummer, one of the victims, testified "very nice chaps." One can hardly assume that the two Commissioners of Inland Revenue who authorised the operation could be described in any other terms. Yet circumstances seem to have prompted them to a "military-type" operation which ended in removing, la rafous, lorry loads of documents, some of which could possibly be used as evidence, if indeed there was any offence committed, and some of which had no relation to tax matters at all. And they have done so on the basis of warrants obtained the night before from a circuit judge and referring in the broadest of terms to the suspicion of an unspecified tax offence.

Excessive taxation encourages both legal tax avoidance and illegal tax evasion. At the same time, the particularly clumsy and complicated way in which tax laws are drafted provides innumerable loopholes for legal tax avoidance.

Tax payers with very high incomes feel obliged, not only by self-interest but often by a sense of duty to their shareholders and employees to use every possible loophole of the law to avoid paying more tax than is absolutely necessary. Her Majesty's Inspectors of Taxes

feel no less duty bound, not only to stop illegal tax evasion but also to plug any holes in the law which help tax avoidance.

Such an assumption is not justified by the fact that the appeal judges so clearly expressed. Moreover, the third and final act of the drama will only take place in the House of Lords and it is by no means certain that the judgment of the Court of Appeal will be then confirmed in its full extent, or at all.

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Such a general implication, which is not much different from the generally accepted requirement that all decisions of administrative authorities must show reasons which moved those who made them, is of

great general importance and equivalent to a constitutional rule of countries which have written constitutions and Bills of Rights.

However, until one has seen the transcript of the judgment (which is not yet available) it will remain unclear how detailed a definition of the offence is required by the Court of Appeal. If what is required is, to use

an officer conducting a search under common law for suspicion of an arrestable offence can also believe that a certain piece of paper will be held as evidence of a suspected offence.

Even experienced accountants may take weeks to establish discrepancies between such records.

One can hope that the House of Lords, to whom Inland Revenue will appeal, will clarify some of these issues. But a real remedy can come only

from changing the method of tax legislation and of tax enforcement. Legislation should bring out more clearly the substantive intention of Parliament and shed the complicated cross-references which aim at precision but achieve obscurity.

Enforcement, it should be realised, is mainly concerned with a relatively small number of very large taxpayers. And here prevention might be better than cure: a system of regular audits and consultations in which Tax Inspectors were represented would not only take a better account of the rules, but people should be considered innocent as long as they are not proved guilty, but might

—as German experience shows—achieve significant results for the Inland Revenue.

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Troy set for massive gamble over 10½ furlongs at York

Elizabeth Diamond Stakes in which Road to Glory was simply not up to setting the required pace, again bids to fulfil the Derby winner over 10½ furlongs at York tomorrow.

With Lyphard's Wish, among others, almost sure to take them along at a blistering pace from the outset, I see little need for Road to Glory's presence, who seems ill-equipped for the role.

Those likely to take on Troy in the £50,000 renewal of the Benson and Hedges race include Gay Mecene, Swiss Gold, Gain, Noelino and Mangnou.

The reasoning behind Troy's presence looks obvious. Although some reports suggest that breeders have been eager to snap up shares at £150,000 each (valuing Troy at £7.2m), a victory would undoubtedly encourage those still unconvinced to back the stallion prospect and—hopefully—ensure his presence at stud in Britain rather than in the U.S.A.

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But for the fact that connections clearly want to impress those still sitting on the fence that Troy has the speed to take on and beat the best over tomorrow's trip, I feel sure the race would not have been on Troy's itinerary.

Apart from that it is hardly an ideal ingredient in an Arc de Triomphe build-up, the Benson and Hedges race is one of the most complex, have avoided with a colt who needs at least one and a half miles to be seen at best.

Those likely to take on Troy in the £50,000 renewal of the Benson and Hedges race include Gay Mecene, Swiss Gold, Gain, Noelino and Mangnou.

It was in the initial running of this race in 1972 that Hern's Brigadier met his one defeat in 18 races. Since then, with such odds-on chances as those offered by the Benson and Hedges race in Gleneagles, I feel confident that the stallion will be seen at stud.

FINANCIALTIMES

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Monday August 20 1979

Perks and the tax base

PAYOUT in kind rather than cash is a primitive and undesirable distortion of the market system, whether it arises in barter trading between nations or in the remuneration of employees. So the steps suggested on Friday by the Inland Revenue to tax the benefit provided to employers who use company cars in a more realistic way are surely welcome. Now that income tax has been cut to tolerable levels, particularly at the top of the scale, it should be possible for employers to offer incentives for hard work and ambition directly through higher pay. The proliferation of perks in recent years in Britain has been a symptom of an unhealthy addiction to high taxes and restrictive incomes policies.

Higher revenue

The Inland Revenue concentrates on the desirability of achieving equity between employees with and without the benefit of company cars. But an even more important consequence of the proposals will be to raise about £330m in extra tax.

The new taxes will come in approximately equal proportions from roughly trebling the imputed benefits of company cars, and from bringing around 1m cars which now escape tax altogether into the tax net. One of the most welcome features of the consultation document is that it suggests eventually abolishing the discrimination against "higher-paid employees" (those earning over £8,500), a category that has little more than political expediency to justify it. Under the present legislation only higher-paid employees are taxed on their fringe benefits. But the Inland Revenue estimates that two-thirds of all company cars are used by employees earning less than £8,500.

Special interests

Naturally there will be squeals of protest against these proposals, as there were in 1976, when the Inland Revenue proposed an almost identical reform. But this time there are grounds for hoping that change will not be sabotaged as it was in 1976, by what the Inland Revenue calls, with wry self-restraint, "representations from the motor industry". The present government is less inclined to subordinate its overall economic and social objectives to the interests of particular industries. It is also perhaps

Brazil at a crossroads

THE CABINET changes announced in Brasilia this month have underlined the strains which the Brazilian economy has been undergoing in the past few years. On top of an already large burden of foreign debt built up as the result of aggressive foreign borrowing undertaken since the late 1960s, the balance of payments has more recently had to sustain new and unexpected commitments resulting from the rise of the world oil price.

Protectionist

The bill for imported fuel this year may well touch \$7bn and absorb more than half the receipts from exports. Hopes that inland and offshore exploration would quickly allow the country to increase the proportion of oil produced from domestic wells from the present meagre 20 per cent of consumption to something nearer self-sufficiency have proved illusory. At the same time Brazil's exports, which must be increased in order to pay for the mounting import bills, are facing difficulties. Manufactured items such as shoes are being subjected to protectionist barriers in many industrialised countries. While the world's economy remains in its present sluggish state, the demand for Brazilian products of all sorts, from coffee to iron ore, must be slow.

On top of all this the economy has to generate well over a million new jobs a year if the already serious unemployment problem is not to get worse and complicate domestic politics even further. Meanwhile inflation is creeping up and is now running at an annual rate of around 50 per cent.

Labour interests

Brazil's economic difficulties have been compounded by the domestic political situation. The work force is becoming increasingly restive particularly in the great industrial centre of Sao Paulo. Many workers feel that they have not been allowed to enjoy the fruits of the so-called "economic miracle" and on the statistical evidence available their complaints are not without justification. This, combined with a marked impatience with the sort of authoritarian rule that the country has experienced since the military coup d'état

of 1964, has produced a succession of strikes which have paralysed hundreds of factories from Sao Paulo to Belo Horizonte.

In this difficult situation the recently installed government of General Joao Baptista Figueiredo has been pulled two ways. There have been voices in his cabinet which have urged him to cut growth to a minimum in order not to place further strain on the balance of payments and not to stoke the fires of inflation any further. The chief proponent of his policy has been Sr. Mario Henrique Simonsen, his planning minister.

Others have argued that such a course would only exacerbate the political problems in the country and could be enforced by a return to that form of political repression that General Figueiredo pledged himself to abolish. There are those who thought that it could not be enforced at all given the growing and manifest power of the trade unions, the nationwide desire for political liberalisation and the new found freedom of the Press to criticise government policy.

The departure of Sr. Simonsen from the Government and his replacement by Professor Antonio Delfim Neto, Agricultural Minister, indicate that Gen. Figueiredo has opted for the bold course of continued expansion and has not been moved by arguments for caution and retrenchment.

Expansion

At first sight Mr. Delfim Neto appears miscast in the role of an expansionist battling on the side of liberalisation. The role he performed under previous presidents as one of the economic architects of the "economic miracle" did not endear him to workers' leaders. In his first pronouncements last week, however, he went out of his way to appear reasonable to organised labour.

For outside observers of the Brazilian scene and notably for those institutions who have lent money to Brazil the decision of Gen. Figueiredo to opt for expansion is one which deserves careful study and analysis. Though heavily in debt already Brazil has signalled that it does not intend to stop growing—or borrowing.

David Fishlock reports on the new technology of swapping power between Britain and France

Cutting an electricity link across the Channel

THE STORMS that turned the Fastnet yacht race into a calamity last week also interrupted trials of another marine venture—this one in the English Channel. Off Sackdown, Isle of Wight, the Central Electricity Generating Board is taking its first steps into seabed engineering.

In trials costing £25,000 a day, its engineers are hoping to demonstrate a novel way of laying cable securely on the seabed, out of reach of ships' anchors and the buffeting of trawls used to stir up bottom-dwelling fish. They hope to bury, by remote control, high-voltage electricity cables at the bottom of a narrow trench 3 ft deep.

If they succeed, four such trenches will be cleared through the chalk separating Folkestone and Calais. Along them, by the mid-1980s, Britain could be exporting to France what a former CECB chairman called "coal-by-wire" to the tune of 1m tons a year. The venture is expected to cost about £350m (March 1979 prices), as the accompanying table shows. But it could pave the way for further big electrical projects during the 1980s, for example between Britain and Ireland and Britain and Belgium. Both nations have been pressing the CECB for this kind of support for their electricity systems. It could also be the way to safeguard submarine telephone cables on the Continental shelf.

The venture is a joint one with France, under serious discussion between the CECB and Electricité de France (EdF) since 1971. The basic idea, which is being exploited all over Europe in no fewer than 130 "inter-ties" between the electricity systems of adjoining countries, is mutually to enhance the security of electricity supply. If trouble strikes—a big generator suddenly fails, for example—one country can call upon another for help.

Avoiding 'spillage'

But in practice there is much more to these international interties than merely emergency service. They began in central Europe as a way of exporting surplus hydro-electric power when the dams were full, thereby avoiding what the engineers call "spillage": water running to waste. Gradually, the interconnected electricity companies found that they could swap more and more electricity profitably and to their mutual benefit. They took advantage, for example, of differences in the times of peat demand, buying in daily to meet the peak rather than installing "peak-popping" generating capacity.

Britain joined the European electricity pool in 1961, when the CECB and EdF laid a cross-Channel cable between Dungeness and Boulogne; half each joined in the middle. It proved its value to Britain in the rough winter of 1962-63, when we bought French electricity because icing was hampering our own system.

Business and Boulogne: half each joined in the middle. It proved its value to Britain in the rough winter of 1962-63, when we bought French electricity because icing was hampering our own system.

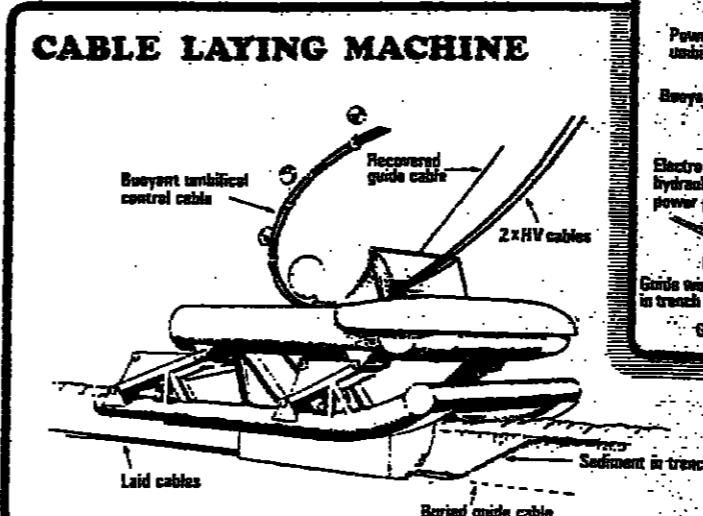
But with the rapid growth in electricity demand on both sides of the Channel, a 160MW cable soon became too small. Worse, it proved unreliable, subject to too much damage in a strait through which several hundred vessels pass daily, because it lies on the seabed. The cable is out of action more than half the time.

In 1974, badly hit by the OPEC oil price increases, the French began to urge Britain to agree to establish a new link. They foresaw a serious risk to supplies following dry years when their hydro-electricity capacity would fall. Britain, on the other hand, some 70 per cent dependent on coal for its electricity, saw an opportunity profitably to export off-peak power.

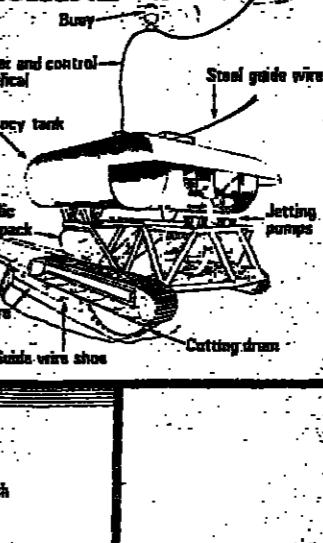
Subsequent discussions considered the possibility of pumping as much as 4,000 MW. But they settled on 2,000 MW as a capacity which could have a payback period of as little as five years. The plan has the tacit approval of the two governments and letters of intent have been signed by the two utilities.

But there remains one big uncertainty. Both parties agree that it would destroy the economic case for the cable if they achieved an availability no better than for the existing link. They are looking for a cable that operates for 95 per cent or more of the time. Other people's experience of submarine cables in less-congested channels confirms their view. The Norwegians and Danes, who collaborated on a 500MW cable across a 90-mile stretch of the Skagerrak, have met enough problems since 1976 to be trying to bury much of the cable now lying up to one-third of a mile deep on the seabed.

The transmission division of



SEABED TRENCHING MACHINE



ford. They surveyed the seabed but found no convenient route through soft seabed, such as can be exploited in the Skagerrak. So they must find a way of cutting through rock.

Both utilities have mounted development programmes. They chose a depth of five feet as adequate to protect against all but a supertanker's anchor. Geological survey has located a lot of hard rock, with compressive strengths as high as 25,000 lb per square inch.

Dredging the chalk

The French are experimenting with a method of "dredging" the chalk. The CECB believes that it will not prove man enough for the hard rock which it will encounter in patches even in the mainly chalky seabed along the 32-mile route chosen between Folkestone and Sangatte.

The transmission division of

ESTIMATED UK COSTS OF 2,000 MW CROSS-CHANNEL CABLE (March 1979 prices)

	£m
Converter station at Sellindge	59
495 kV sub-station at Sellindge	33
DC submarine cable (32 miles)	73
Land and other cables	30
Civil work	10
Relays, controls, etc.	10
Modification to 400 kV transmission	17
TOTAL	182

* Electricité de France will have similar costs, plus the expense of strengthening its transmission system in north-east France.

The principles of the trenching machine had already been tried on a scale model, cutting hard rock in quarries last year. It uses a rotary shearer of the kind used in coal-cutting to cut a slot about 5 ft deep and 2 ft wide. At the same time it feeds a steel hawser into the freshly cut trench.

The sled follows, hauling itself along the hawser while feeding a pair of high-voltage cables into the trench. It is equipped with high-pressure jets to blow out sediment ahead of the cables. Both machines are operated remotely from a control console aboard an accompanying vessel. But divers remain in attendance on the seabed.

These are the machines now being tried out at a depth of about 45 feet in the chalky seabed of Sandown Bay. Dr. Howard is delighted with the progress of his collaborators in delivering them "precisely to programme in order to catch the weather window this summer". Provided the trials continue to go well, the plant is to move at the end of August to a point off Sangatte, the first of four test points along the proposed cable route. Over the

next few weeks while the weather window remains open the system will be tested in different rocks: chalk, sand, gault clay, hard sandstone—and the last and most difficult test-cobbles at 150 feet beneath the main shipping lane. Each time it will attempt to lay a few hundred feet of cable.

John Yates believes that if it survives these tests—costing about £5m, including the price of the machines—the CECB has a system that will cut a trench in France in 30 days or less. It will then lay a pair of cables in another 10 or 11 days. His aim is to lay them as unbroken lengths of cable, to avoid the inevitable weakness of a join made at sea. He hopes the French—who are closely observing the trials—can also be persuaded to use the system to cut their own pair of the four trenches which will be required.

The submarine cable itself, says Dr. Howard, presents no particular technical problem, although the CECB has specified one that will not be oil-filled, lest it should ever be accused of leaking oil into the Channel.

It is negotiating with two potential suppliers—both UK-based—BICC and Pirelli General. The submarine cable contract will embrace the cost of setting up a manufacturing facility for continuous stretches of cable of the length required; one which could readily find future markets both in Britain and abroad.

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The noise expected to come from the converter station is likely to feature importantly at the inquiry. The CECB is inclined to play down any idea that it will prove intrusive to a community where the nearest inhabitant lives one-third of a mile away. The cooling fans will be buried in a false basement and the building itself will be sealed to keep out dust.

"It will be less than the rustling of leaves in the trees," claims Dr. Howard. He also points out that his division has lately been installing jet engines in urban areas to provide standby power from gas turbine stations, and has been able to insulate the surrounding houses from their noise.

For the CECB the overriding advantage of the Sellindge site is that it is conveniently close to the 400-kV arm of the grid between Dungeness and Canterbury. Now Dr. Howard and his team will dispense the size of the building is still undecided. Those opposed to the project at Sellindge have said it will be as big as Canterbury Cathedral. If they help them accept it, he would be prepared to put in stained-glass windows, he says.

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FINANCIAL TIMES SURVEY

Monday August 20 1979

كما من الأفضل

CHINA

China is changing rapidly and becoming increasingly open to the outside world at the same time as it is seeking recognition as a world power. In the first major survey of China to be published by the Financial Times, David Housego, Colina MacDougall and Geoffrey Owen report on their recent visit to China and describe the country's social, economic and political progress.

Welcome partner in the world

By David Housego

CHAIRMAN HUA GUOFENG is to tour Western Europe in the autumn. It says much for China's historic disdain of the outside world that it has taken until the final quarter of the 20th century and almost 200 years after West Europe's pioneering of the industrial revolution and of the socialist ideology on which China's communist regime is based for a Chinese head of state to visit this quarter of the globe.

But like Vice-Premier Deng Xiaoping's visit to the United States in February, Chairman Hua's visit is a remarkable reflection of the change that has come over China in the last two years as it has nudged its way into the international community and sought to become part of the world's financial and trading system.

To gain an entrance ticket it has sacrificed many of its former taboos. It has borrowed abroad, raised syndicated loans on the commercial markets, encouraged investment in joint ventures in

China and allowed foreigners to roam across the country in a way that was rarely permitted to the western "compradors" of the 19th century—confined for the most part to their concession areas in the seaports like Shanghai.

At the recent meeting of the National People's Congress it also revealed for the first time in 20 years a wealth of economic data, suggesting that China may indeed soon apply for membership of other global clubs like the IMF or the World Bank.

Overdue

China has also been seeking recognition for itself as a world power—and Chairman Hua's much publicised tour is certainly part of this objective. China wants to cut a higher profile in what it sees as the central issue of international diplomacy today—containing the power of the Soviet Union. To that end it has normalised relations with the U.S., signed a Treaty of Friendship with Japan, and reached a long-term—though vaguely worded—commercial agreement with the EEC. It is also anxious to reassert its influence in South East Asia, risking this year a war with Vietnam to bring to heel an historic rival and to challenge the growth of Soviet power in the region.

Along with this more open international stance there has been a relaxation of control within China itself. Vice-Premier Deng seems eager to encourage intellectual debate as one way of stimulating enquiry and thus enabling China to absorb new scientific and technological developments essential to its

modernisation. It is true that there was a crackdown in the spring when the posters on "Democracy Wall" in Peking and the demonstrations in Shanghai challenged some of the basic assumptions of the communist regime. But China is probably a less repressive society than it was during Mao's lifetime, and it now has at least the framework of a criminal and civil code.

In its bid to achieve more rapid industrialisation, it is looking to the west for technology. It is also trying to introduce into its own cumbersome bureaucracy, which has not begun to come to grips with the problems of how to rule a billion people, reforms that to us seem long overdue—a devolution of responsibility to provincial governments and to industrial enterprises the use of the market mechanism to achieve a more efficient allocation of resources, bank supervision over credits to industry and, perhaps most important of all, the promise of higher standards of living as a way to get people to work.

All this makes China a more welcome partner in the world. It has other attractions too—the possibility of large offshore oil deposits, rich mineral resources and a substantial market (not as great as some had hoped last year but still important) for capital goods. But how long can the present power structure and the policies associated with it survive?

China's record since independence bodes ill for continuing stability in the future. There is probably no other sizeable nation in the world that has seen

CONTINUED ON NEXT PAGE

such upheavals in the last 30 years. Chairman Mao ran the country as if he was carrying out a succession of military assaults. He was unable to accept that social and economic change comes slowly.

The Great Leap Forward of the 1950s was followed by the Great Depression. That in turn was followed by the Cultural Revolution, which began in 1966 and did not finally spend its force until after Mao's death in 1976. The trauma of those years—in which schools and universities were closed for much of the time so that a whole generation has grown up with scarcely any education at all—is only now beginning to be fully appreciated in the west.

Even since Mao's death, policy has moved by fits and starts. The economic plan that Hua trumpeted in 1977 for transforming China into a major industrial power was abandoned less than a year later. China's leaders now say, is going through a three year period of "readjustment." Western observers are right to remain sceptical as to whether this is the final turn of the wheel.

Three factors will determine whether the present leadership and its policies can succeed. The most immediate is that the leadership itself hangs together. Hua and Deng have been rivals in the past—Hua accused Deng of holding "wrong tendencies" in 1976 after Hua had helped boot Deng out of power—and will probably continue to be.

But they seem to have struck a modus vivendi in which it is the moderates associated with Deng who have the upper hand.

Political and social framework

The leadership seems to have struck a modus vivendi in the wake of the Gang of Four struggles and is trying to carry through major reforms. But the educational system is still recovering from the excesses of the Cultural Revolution and living standards are rising slowly. In foreign policy distrust of the Soviet Union is the dominant theme.

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ECONOMY

The years of neglect, political disturbance and lack of investment have created many obstacles to the country's attempts to modernise by the end of the century. During the current period of readjustment higher priority is being given to agriculture and light industry, but there is an urgent need to correct weaknesses in basic sectors like power and transport.

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Energy

A serious power shortage has become an important constraint on economic growth, requiring a big investment in new coal mines and power stations. Offshore exploration is being given the greatest priority, with contracts for seismic exploration agreed with Western companies. Peking is working on a law under which companies can explore and develop new fields.

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Trade

China will have a trade deficit this year, as it did in 1978, but in contrast to last year plans for import growth are more cautious. Trade with Japan has grown fast as a result of the long-term agreement signed last year, but there should also be considerable opportunities for European and U.S. contractors.

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POLITICAL AND SOCIAL FRAMEWORK

Still divided on power and policy

THE NEW LEADERSHIP

DESPITE THE harmony in China portrayed to the outside world and the announcement at the recent National People's Congress of bold new plans inspired by Vice-Premier Deng Xiaoping—only No. 3 in the hierarchy but clearly still the force behind the throne—the leadership and the country are still divided on questions of power and policy.

Though the balance of power is certainly with the pragmatic Deng and his supporters, whose incentive policies appeal widely to the average Chinese, there is growing evidence that a substantial body of opinion still clings to the radical ideas and attitudes prevalent in the time of Chairman Mao. These are represented on the politbureau by the "Whateverists," as the Chinese Press now calls them, those who say "Whatever Mao said was right."

This division has come about partly for personal reasons, because personal loyalties are important in the Chinese system, and partly for political reasons, since those who came to power as a result of the Cultural Revolution and its attendant arbitrary arrests and killings are afraid to lose it (the semi-official figure for deaths during that period is now 400,000). It even springs from ideology, since the years of Mao impregnated almost every official in almost every institution with the idea that success and profit, which the present leadership is desperate to pursue in order to galvanise the economy, were somehow wrong.

Despite this, the prevailing voice of Peking constantly proclaims unity and stability, reminding that the vast majority of people who oppose its current policies do so because they are mistaken and not because they are adamantly hostile.

Publicly the leadership says that all will be forgiven to those who repent and adopt the new line, and that the days of dismissal and humiliation are over. Such is the implied explanation for the fact that there are still half a dozen or so well known hangovers from the Cultural Revolution officially on power.

Underneath this superficial calm, turbulent crosscurrents are flowing. Last December the ascendancy of the pragmatists seemed a foregone conclusion, when the Third Plenum of the Central Committee of the 11th Congress of the party met and confirmed the personal standing of Deng, his vice Chairman Hua Guofeng, the nominal leader of the country, and the so-called "Whateverists."

The plenum decided to emphasise collective leadership and drop unnecessary honours, so that thereafter Hua's position was downgraded. It also rehabilitated some former distinguished leaders, one of whom, Peng Dehuai (now dead) was sacked by Mao in 1959 for attacking the 1958 Great Leap Forward. Peng's criticisms of the Leap were based on his investigations in Hunan province, where Hua at the time was deputy governor. That rehabilitation can hardly have been welcome.

Although the "Whateverists" retained their politbureau ranking at the plenum, they were diluted by some important new appointments, of which the key one was that of Chen Yun, China's leading planner of the 1950s. They lost their executive functions, and their apparent powerlessness was underlined by the new policies announced then of impending economic and legal reforms, which were clearly those of Deng.

But in March and April the pendulum moved the other way. The "Whateverists" on the politbureau, out of sight since December, began to reappear in public, a sure sign that their status was on the upswing. Deng had become vulnerable because two, and perhaps three,

of his policies had run into trouble and lost him support. The first was the new liberalism which had allowed the outbreak of posters in December. These escalated rapidly from permitted attacks on the Gang of Four to the questioning of Chinese policy in general and, in the New Year, to unruly manifestations of discontent.

But few of the people who swarmed round Democracy Wall in Peking were genuine political innovators. While the posters revealed a strong demand to right the personal wrongs done during the Cultural Revolution, to improve living standards and social conditions and to open up contracts with the outside world, it was the rare one that suggested alternative policies.

Later, the emphasis of the demands moved still more towards amending social wrongs, particularly at the Spring Festival (Chinese New Year), when huge numbers of young people who had earlier been sent down to the countryside returned to the cities and refused to go back.

Inability

This outburst of feeling, plus the continuing inability of the local authorities to find jobs for the school leavers of 1977 and 1978, brought home to the central leadership the magnitude of the unemployment problem on their hands. In fact this appeared to be a much more serious threat than political dissidence, for the intellectuals, particularly the younger ones, were much more concerned about getting a job and making a niche for themselves and their families within the existing system than in setting out to change it. All the same, more traditional and less sophisticated leaders than Deng were panicked into demanding suppression, clearly believing that these liberalising trends were a mistake.

Deng was also in trouble at

the time for the over-extension

of the economy caused by the uncontrolled construction last year in the modernisation fever. Bottlenecks and shortages had become glaringly apparent, and the new freedoms for enterprises to negotiate independently for foreign equipment meant the alarming approach of a shortage of foreign exchange. A further possible embarrassment was the February invasion of Vietnam, which Deng had clearly favoured. It was by no means an unqualified success, causing large losses and some economic disruption, whatever its benefits in terms of foreign policy.

Evidently, then, in April

Deng and his supporters were vulnerable. The top-level party working meeting that took place that month to reorder priorities probably saw fierce criticism and no doubt some hard bargaining. But by June Deng had apparently quelled the opposition. The National People's Congress that month numbered among its achievements a new economic plan based largely on material incentives, a new body of law to confirm some rights to the individual, and the appointment of three new vice-premiers, all solid economists of 1950s vintage. There is no doubt that these were Deng's objectives and that he now has a strengthened body of support at the top.

Nevertheless there is still substantial opposition to his ideas. The "Whateverists" remain in the leadership, in spite of renewed poster attacks in July on the most prominent Wang Dongxing, once Mao's bodyguard and leader of the elite army unit S341. In addition Chairman Hua's position is ambiguous. He was once himself a "Whateverist" though before the term was coined. He holds both the top two posts in China, and however far he seems to have travelled to Deng's side since his accession to power in 1976, he still rose to his present position as a result of the

sufferings of Deng and his friends. The continuing promotion of rehabilitated leaders—particularly Peng Zhen, who disappeared in 1956 and was once far closer to Mao than Hua has ever been—is a constant threat to his pre-eminence.

None of this might matter if the moderates in the leadership could be certain of carrying the country easily along with them in their new policies. But they cannot. Since the Congress, the Chinese Press has regularly blamed the "villains" and "arch-criminals" who oppose the policies of Deng. Some important provincial leaders have not abandoned traditional Maoism nor adopted the more rewards-for-more work ideas which are the foundation of Peking's present plans.

There are some, the People's Daily said emphatically in July, who actively pushed the Gang of Four's ultra-leftist line and still have not changed their stand, who "are accustomed to trimming their sails and manoeuvring among different groupings." In the rural areas there are "ultra-leftists" who might make a comeback since they "caused chaos" in March and April, describing the policies of Deng as "deviationist." And there is a vast mass of uneducated, inflexible officials whose main experience was in the Gang's period, accept it as normal and refuse to change.

Taken together, these constitute a formidable hurdle for the leadership to overcome. Deng has a strong team in Peking, but his policies are a gamble and could still be frustrated by hostility at the top and the opposition, fear and inertia of an influential minority distributed throughout China.

C.M.

COMPARATIVE BASIC STATISTICS

	CHINA	INDIA	U.S.
Area (m sq km)	9.8	3.3	9.4
Population (m)	875	626	317
GNP (\$bn)	380 (est.)	103	1,762
Exports (\$bn)	10.7	7.0	143.7
Imports (\$bn)	12.0	8.3	172.9
Grain production (m tons)	305	126	267
Steel production (m tons)	32	10	124
Crude oil production (m tons)	104	11	432
Coal production (m tons)	615	102	660



Chairman Hua Guofeng



Vice-Premier Deng Xiaoping

Welcome partner

CONTINUED FROM PREVIOUS PAGE



"Water isn't getting to those upstairs." A Shanghai daily newspaper's view of the disproportionate share taken by the USSR from Comecon membership.

machines and 13 watches. On this admittedly crude basis, China fits into the category of middle level developing countries attempting, now, like other developing countries to raise its national income by expanding its agricultural output, by upgrading its industry with the help of foreign technology, and by trying to pay for this by exporting more manufactured goods against the tide of a world recession. Developing countries have a way of muddling through.

But China is of course more than a developing country. It has 1 billion people and is adding to its population at the rate of 10m-20m a year, which at a time of pressure on land and food throughout the world inevitably makes it a force in world politics. The exodus of refugees from China through Hong Kong this year, the war with Vietnam, the resistance of South East Asian states to a new wave of Chinese immigrants carried to the point of pushing them back to drown at sea can all be seen as part of an immense communal and population problem that will grow more troublesome as the years go by.

China is also seen by the Russians as a major security threat, a perception which in itself draws China into the West's calculation of the global strategic balance. In its efforts to find a counterbalance to the Russians, China is also being drawn deeper into a Pacific community of Japan, the U.S. and—as yet to an unknown extent—the newly industrialised countries of South Korea, Taiwan and Hong Kong.

In the last resort the West stands to gain substantially by the changes being made in China and by China's more open stance to the world. If Deng and his policies should fall, there is every chance that the pendulum would swing sadly back to another isolationist, xenophobic and repressive regime.

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دُنلُوبِ الْأَصْلِ

Worldwide drive for new friends

FOREIGN POLICY

THE ECONOMIC policy of the new Chinese leadership is a legacy of the early 1950s. But in foreign policy it has struck out on a course that is entirely its own.

At no time in the past 30 years has China so abandoned the precepts of self-sufficiency or of aloofness from the non-Communist world as it has today. For diplomacy by which it seeks to acquire the status and responsibilities of a major power, the normalisation of relations with the U.S., the Treaty of Friendship with Japan and the extensive tours its leaders have made through South-East Asia, Europe, Africa and the Middle East point to Peking's desire to strike up new alliances across the world. Moreover, for the first time in 17 years China has gone to war, launching in February what it described as a limited counter-attack on Vietnam.

Linking these diverse strands is the central belief of Chinese foreign policy—that the Soviet Union is an expansionist power determined to strangle China by encircling it and that it must be challenged at every stage in its advance. In the warnings of Vice-Premier Deng Xiaoping in Washington, in Peking's denunciations of detente and the SALT agreement as valueless, in the invasion of Vietnam itself, lie the same message of the need to resist Soviet ambitions.

Alliances

Thus China's response to the threat of Soviet encirclement has been to stake out its own network of alliances designed to outflank the Russians. Its invasion of Vietnam shortly after that country had signed a treaty of friendship with Russia was an attempt to demonstrate that such a treaty offers little guarantee of national security. The result of the action has been to make Indochina the new focal point of Sino-Soviet rivalry.

The opening of Sino-Soviet talks with a view to resolving outstanding differences does not lessen the deeper suspicion of

the Russians that led China in April to abrogate its own 30-year Treaty of Friendship with the Soviet Union. But so long as the U.S. and other Western powers leave the door open to Moscow Peking feels it wise to do so as well.

The philosophy behind this policy was spelt out in Deng's speech to the UN in 1974—after China became a member of the UN and before Deng was ousted from power for a second time by radicals—which portrayed the world as divided into three groups. Deng picked out the Soviet Union as the most dangerous of the super powers, ready to precipitate a war with the U.S. and against which the second group of powers such as Japan, the EEC or China should be prepared to take a combined stand.

Peking has thus been pursuing new alliances to offset Russian power. In August it signed the Treaty of Peace and Friendship with Japan—thus officially at least ending any lingering resentment at Japan's invasion of China before World War II, but more important, signalling China's success in getting Japan to give preference to China over the Soviet Union in its relations with the two major Communist states.

The Japanese would have preferred parity of relationship in their ties with China and the Soviet Union because of the potential of the two countries' natural resources. But they ultimately went ahead with the treaty in spite of Russian opposition because of the Russians' unwillingness to show any accommodation in the dispute over the return to Japan of the Kurile Islands that the Russians occupied in the war.

In January, China and the U.S. unexpectedly announced that they had agreed to normalise relations. The roots for this move were laid during President Nixon's visit to China in 1972 but the discussions at the time left a number of questions about the future of Taiwan unsettled. During his visit to the U.S. Deng agreed to respect "the realities of Taiwan without formally ruling out the use of force to annex the island. The U.S. abrogated its defence treaty with Taiwan but will continue to sell it arms. Though normalisation has been followed by cultural and trade agreements, the U.S. has resisted the initial Chinese

attempt to present their close ties as the strengthening of the anti-Soviet bloc—or what in American terms has been known as "playing the China card."

But the Chinese have pursued their anti-Soviet drive through other channels. In August Chairman Hua Guofeng made his first tour abroad as Head of State to visit Yugoslavia, Romania and Iran—all countries on Russia's southern flank and suspicious of the growth of Soviet power. The Chinese have condemned the U.S. failure to stand up to the Russians in the Gulf region and have supported ideas of a Gulf security pact. They have championed Pakistan—possibly to the point of helping it to establish a nuclear capability. Their senior leaders have toured Africa and the EEC—with the EEC a long-term though vague trade agreement having been signed—and Hua is to visit West Europe in the autumn.

Parallel

Along with the goal of building up a network of relationships with the major industrialised powers has run the parallel aim of strengthening China itself through a modernisation programme drawing on foreign technology. This the leadership can claim to be enhancing rather than diminishing the familiar goal of self-sufficiency by a more active foreign policy.

Trade pacts—and more important, an increase in the volume of trade and the readiness of the Chinese to expand imports of capital plant through borrowing abroad—have followed the new diplomatic initiatives. That the Chinese in their first flush of enthusiasm for Western technology bit off more than they could chew does not alter the fundamental shift in attitude towards the importance of foreign trade in stimulating the economy.

Chinese policy in South-East Asia at first seemed of a piece with its building up of a network of friends and of attempting to deny advantages to the Soviet Union. But Peking was clearly caught off balance by the momentum of events that at first carried it into growing rivalry with Vietnam, then into a potential confrontation with the Soviet Union which signed a Treaty of Friendship with Vietnam and then into a

risky war with Vietnam.

The end of this saga is by no means in sight. Vice-Premier Li Xianian has left open the possibility that China will repeat its punitive action against Vietnam—an enormously costly measure that the economy cannot afford but in which China feels its prestige and security are at stake. The repercussions of China's conflict with Vietnam and the accelerated flow of ethnic Chinese refugees from Indo-China in the first half of the year have also revived anti-Chinese communal feeling in South-East Asia—damaging to both the expatriate Chinese community and to Peking.

The Chinese carry much of the blame for the escalating rivalry in Indo-China. Their support for Pol Pot's regime in Cambodia was at one level backing for Khmer nationalism against the extension of Vietnam's influence in Indo-China and was welcomed as such by other South-East Asian States anxious for an independent Cambodia as a buffer to an expansionist Vietnam. But it was also backing for an inhumane regime that had alienated world opinion and which in 1976/77 was carrying out provocative raids across Vietnam's frontiers.

China clumsily hoped to bring pressure on Vietnam by cutting off aid. Instead it pressed Vietnam further into the arms of Comecon and the Soviet Union. The protective stance it adopted in 1978 towards the Overseas Chinese communities of South-East Asia both gave Vietnam an excuse for rounding on its ethnic Chinese community as a fifth column and aroused anti-Chinese fears among other States such as Malaysia and Indonesia with large Chinese communities.

China's actions increased Vietnam's irritation with Cambodia. But this was against a background of historic rivalry between the two States. In deciding to take over Cambodia through a lightning invasion in December, the Vietnamese could hardly have expected that China would suffer this blow to their prestige without response. Indeed by enlisting Soviet support through the Treaty of Friendship the Vietnamese added to the provocation. But it is still a moot point whether China's counter-attack in February served its avowed purpose of teaching the Vietnamese a

lesson. The Chinese suffered far heavier casualties than they had expected and the fighting showed up the inadequacy of their equipment. They failed to get the Vietnamese to withdraw mainland divisions from Cambodia which would have weakened Vietnam's position in Cambodia. Though they demonstrated that the Russians were unwilling to rush to the aid of an ally, the war prompted a massive Russian-supported reinforcement of Vietnam's northern border.

The Vietnamese have since allowed Russian ships to dock at Cam Ranh Bay, the former American base and strategically important for the Russian fleet, whose nearest home port is Vladivostock. The Russians have greatly expanded their

consular staff in Ho Chi Minh City (Saigon) to about 100. The invasion also did not deter the Vietnamese from carrying out another offensive in Cambodia or from expelling more ethnic Chinese.

As against this the Chinese carried out a virtual scorched earth policy in the parts of Vietnam they did occupy, causing severe damage to the already battered Vietnamese economy. They flattened four towns and destroyed an important phosphate mine and a tin mine. They have forced the Vietnamese to maintain their economy on a war footing and are still in a strong position to keep up pressure on Vietnam through aiding insurrections in Cambodia and Laos. They also—in the ambivalent way that South-East Asian states regard

Vietnam and China as both potentially hostile but to be played off against each other—won some merit in South-East Asia for standing up to Vietnam.

The ambitious nature of their foreign policy has inevitably raised questions as to whether the Chinese are overstretched in this area as they are in so many others. China has a large foreign service—Chou En-lai protected it from the worst ravages of the Cultural Revolution—but because of China's former emphasis on self-sufficiency it lacks experience. China's ability to gather and assess intelligence still seems weak. In South-East Asia Deng misjudged the risks that his ostentatious tour would arouse historic anti-Chinese fears in the region.

Though the West stands to

gain by continuing Sino-Soviet rivalry, it has no wish to see this carried to the point of war with all the unforeseen repercussions that a Russian-Chinese conflict could have. There are plenty of potentially dangerous flashpoints in the region—the long and ill-marked Sino-Soviet border, the dispute between China and Vietnam over ownership of the Spratly and Paracel Islands in which Russian fleet movements in the South China Sea now lend visible weight to their support of the Vietnamese case, and the continuing confrontation between China and Vietnam over Indo-China. The Chinese will have to learn that acceptance into the international community implies proceeding with caution.

D.H.

Reduced priority in national scheme

THE MILITARY

THE DEBATE over the role of the military in China has been resolved, at least temporarily, in favour of a low profile and priority to economic development as a whole instead of to defence.

Soon after the 1976 fall of the Gang of Four pressures for rapid modernisation of the army were apparent in articles in the military Press, but these seem to have been firmly put down. In the list of the "four modernisations," China's programme for updating the economy, in contrast to 1977 when it sometimes occupied third place, defence now consistently figures after agriculture, industry and science and technology.

This may seem to contradict the implications of the spring 1979 invasion of Vietnam, when

the Chinese took on a conflict with the most experienced forces in Asia. But there are various explanations for this.

One is that when the Chinese see their foreign policy interests threatened they will not stop short of military action even if the apparent odds are against them.

Another is that the Chinese generals forced the conflict simply to show conclusively that their weaponry was out of date. And yet a third reason is that the Chinese have been so cut off that they did not realise how hampered they would be when up against the sophisticated electronic and optical weapons of the 1970s.

It remains to be seen how valid are the threats to teach Vietnam another lesson in the future. In the meantime no particular kudos has gone to the military in the February incursion. It had no effect, or perhaps even a negative one, on enhancing their status as a

pressure group in China.

Since the end of the Cultural Revolution, when the army was brought in to restore order in the vacuum caused by the destruction of other authority, the party has been gradually replacing the army in the national power structure—to the point where, on the all-powerful Politbureau, civilians outnumber the active military by two-to-one (three new civilians were added as recently as last December).

In the provincial hierarchy, only a handful of military men now hold the vital provincial party first secretary post. There is a growing tendency to bring the army's party committees more and more within the civilian party's ambit by appointing civilian officials to the party commissar's job in the local military.

They are also reported by the Japanese press to have a CSS-4, with a range of 650 km, 50-60 MREMs (CSS-2, with a range of 2,400 km) an extended-range missile, the CSS-3 (with a range of 6,500 km), not an ICEM but powerful enough to launch a satellite.

So far they are thought to have deployed the CSS-1 and CSS-2 along the Sino-Soviet

CONTINUED ON NEXT PAGE

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is the year of
the ram,
but every year
is the year of
the rabbit.**



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POLITICAL AND SOCIAL FRAMEWORK

Modest improvement at best

LIVING STANDARDS

CHINA'S URBAN and rural workers are getting their highest wage increases in 20 years. The average wage of workers in State-owned enterprises rose 7 per cent last year, according to statistics released during the recent National Party Congress meeting, and further increases are in the pipeline.

Because of Mao's "rational low wage policy" there has been only one other increase in industrial wages since 1963 and that was for those at the bottom of the scale.

The income of commune members (excluding any additional earnings they might get from marketing the produce of their own backyard plots) was said to have risen by 13.7 per cent. The rise should be much bigger this year as a result of the 20 per cent increase in the State procurement price for grain and higher increases for other agricultural products.

But how much are living standards improving? The emphasis that the leadership is putting on promises of "more pie to extract more work" is one sign that up to now most Chinese have seen scant personal benefit from so many years of turmoil and hard toil.

Standards of living are one of the hardest things to measure in any country. The Chinese in the past have discouraged prying Western eyes. This article draws on work published by Dr. Christopher Howe (one of the few Western scholars to have done research on living standards in China), recent figures published by the Chinese and our own inquiries (impressionsistic like those of any visitor to China and limited by what the Chinese permit a visitor to see).

Average

At the NPC meeting, Vice-premier Yu Qiuli said that the average wage of an industrial worker in a State enterprise (the elite of the urban workforce) was 644 Yuan (\$399). This is 54 Yuan a month. The last time the Chinese announced an official figure for the average wage was in 1976, when they said it was 60 Yuan a month.

The new figure confirms what has long been suspected in the West that in the past, the Chinese have been exaggerating the average level of industrial wages.

Dr. Howe has calculated that, in real terms, the average industrial wage actually fell between 1957 and 1974. This decline was due to a combination of the freeze on wages and of slowly rising prices for some consumer goods, meat, vegetables and canteen meals.

Almost certainly this decline continued until the first increase in wages in 1977 which resulted in a 10 per cent rise for the lowest 40 per cent of workers.

Among factories we visited we were given the following average wages: Shoudu Steelworks, 63 Yuan; Anshan Iron and Steel Company, 64 Yuan; Shenyang No. 1 Machine Tool Plant, 60 Yuan; Steam Turbine Plant, Shanghai, 60 Yuan; and the Chengdu Measurement Instruments factory, 55 Yuan.

At the Shenyang Machine

Tool Plant the wages being paid to each of the eight grades of workers were the same as those reported by other visitors in 1972 and 1973, reflecting an unchanged national pay scale. The present wage rise is being implemented by pushing workers up a grade, so pushing up the average wage. In the past 20 years one reason that the average wage has been declining even in nominal terms is that those who retired from the upper grades were never replaced.

A family having to survive on the earnings of only one wage winner is living in China at little more than subsistence level. A 61-year-old attendant working behind the counter of a department store in Chengdu earned 57 Yuan a month. He had a wife in hospital and two daughters to support.

After buying food (in Chengdu this would have been mainly rationed grain and some vegetables), he had little left over for new clothing. He paid 1.96 Yuan a month in rent. He said he just managed to get by and his one luxury was a radio.

But of 10 people we picked at random to question at department stores in Chengdu and Anshan, he was the only one to be the sole wage earner in his family. An elderly workman with a job in a mining machinery repair shop in Anshan had two daughters as well but a family income of 120 yuan. He claimed to be saving 30 yuan a month and was hoping to buy a television.

A young recently married workman with a job in a packaging factory claimed a household income of 100 yuan and said he had 200 yuan in the bank. A warden in a great white panda park in the Himalayan foothills who was visiting Chengdu said he earned only 13.50 yuan a month. But in his family of six, his wife earned 20 yuan and a daughter 37 yuan. He claimed to have 200 yuan in the bank.

The striking fact about most of those we spoke to was their relatively high level of savings—either the result of "responding to the State's call to save more" or because there have not been the consumer goods in the shops on which to spend their money.

Thus though average individual urban incomes have only recently started to rise, family incomes seem to have been growing more because more people have been working. A senior official in Shenyang told us that where as in 1965 there were an average 1.58 people working in a family, there were now 2.34. Also, the number of dependants that each employee has to support has dropped.

A further factor making for higher incomes in some cases has been the reinstatement of bonus payments. In the Shenyang Machine Tool Plant there is an average annual bonus of 20 yuan and a monthly bonus of 5-15 yuan.

Rural incomes are far lower than urban incomes and vary more from province to province. Wage policy over the last 20 years—and one being continued by the present leadership—is to try to diminish the gap in order to get the peasants to produce more food.

Yu reported to the Congress that last year the per capita income of rural commune members was 74 Yuan. But this gives little guide to the wide

area.

In 1971 she was released.

But the turmoil in Sichuan did

not end then. Many feel the worst years in the province were 1974, when the Gang of Four was trying to gain ascendancy, and 1976, during the power struggles at the time of Chairman Mao's death. For teachers one of the worst periods was in 1974 after Madame Mao had urged primary school students to revolt against their teachers following a complaint by a Peking high school student that she had been harshly treated by a teacher.

As Mrs. Tao tells it, many school buildings were damaged and some burnt in the faction fighting. Equipment and books were destroyed. From about 1967 until 1971 all schools taking children above middle

grade (from 13 to 17 years,

though most children leave at 15) were closed. In the middle

grade the emphasis was on

practical work. "Physics was

three machines and a pump,

tractors, diesel engines and an

electrical machine. The teach-

ing was modelled around these

If a student could drive a

tractor he passed."

Teachers felt it was impossible to teach

and students were encouraged

not to learn.

Sichuan was one of the provi-

vinces worst affected by the

Cultural Revolution—though

there does not seem to have

been the same large-scale

recruitment of peasants and

workers for teaching posts

which has left the even greater

burden in some parts of China

of a leaden teaching force that

needs to be educated itself.

It is difficult to think of any com-

parable post-war situation in

which a country—least of all

a country of 1bn people which

can lay claim to probably the

longest tradition of education

of any civilization has so

destroyed the structure of its

school and university system.

The consequences are that

China has a "lost generation"

for whom there is no slot in

the social and economic system

and who are relegated to

the countryside.

differences in living standards. The bulk of the 100m people (a tenth of the population) whom Li Xiannian has referred to as undernourished would live, for instance, in the countryside. But at the Wusan commune outside Shenyang we were told that income per head was 190 Yuan, of which the equivalent of 70 Yuan was taken in the form of a rice ration of 210 Kg. At a commune near Chengdu the average income was said to be 135 Yuan plus a 310 Kg allocation of rice. Both

consumption index weighted for items in the household budget (food, clothing, fuel, consumer goods, housing) and welfare index such as health and education that are wholly or partly subsidized. On the basis of this there has been a modest rise in personal consumption of about 1.7 per cent a year from 1952-74.

that the Chinese are anxious

to buy more consumer goods—

if only they can get them. The

manager of the No. 1 Depart-

ment Store in the Nanking

Road in Shanghai, one of the

larger stores in probably

China's most fashion-conscious

town (where girls pay 2.50 Yuan

for a hair perm and enviable

blue eyes), argued that con-

sumption of export goods

had been suppressed for so long

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Strategy for the next three years

ALMOST 30 years have passed since the founding of the People's Republic, yet... we have achieved far less than we should have.—Chairman Hua Guofeng.

The main problem now facing us is that our agricultural expansion cannot as yet keep up with the needs of industrial development, and at times can not even keep up with the needs of a growing population. Many important products of the light and textile industries are insufficient in quantity, poor in quality and limited in variety, so there are not enough marketable goods.—Chairman Hua Guofeng.

Capital construction is too large in scale and spread over too many projects for the country's financial and material resources at present, and returns from investment are very unsatisfactory.—Zhang Jingfu, Minister of Finance.

In management, there is shocking confusion and waste in some production units and in some organisations not engaged in production. Zhang Jingfu.

Enterprises which turn out low-quality, high-cost, unmarketable goods and show deficit must undergo a shake-up. Some should cease operation, while others may be amalgamated, or change over to other products.—Vice-Premier Yu Qiuli, Head of the State Planning Commission.

Twenty-four per cent of our State industrial enterprises are run at varying degrees of loss.—Chairman Hua Guofeng.

SPEAKERS at the National People's Congress in June had plenty of good things to say about the Chinese economy—not least about the way it has been run during the past two years since the present leadership has been in full control. But the novel feature, as the above quotations show, was that they also told us what was wrong, and often in blunter language than that used by most Western commentators.

The new leadership has now given itself three years to put things right—three years of "readjustment, restructuring, consolidation and improvement" starting from January 1979—in which in Western terms it will accept deflationary policies of slower growth.

In that time the leadership hopes to cut back some of the surplus fat from the country's inefficient Soviet-style system of management; direct funds to sectors where the returns on investment are highest, and extract increased productivity both on the land and in industry. The key strands of policy during these three years are:

- Increasing agricultural incomes. On official Chinese figures, per capita incomes of commune members rose by 13.7

per cent in 1978 over the previous year to 73.9 yuan. During the current year the State procurement price for grain is being raised by 20 per cent and for other farm products by an average of 24.8 per cent.

Vice-Premier Yu Qiuli claimed in his speech to the Congress that this amounted to the largest increase in farm prices since independence 30 years ago. It is being backed by a substantial increase in investment in agriculture which will absorb 14 per cent of the capital construction budget as compared with 10.7 per cent last year.

Food

As Hua's speech implied, China needs to grow more food to feed its growing population and to give its urban workers an improved and more varied diet. Per capita grain consumption is only marginally above what it was 20 years ago. Vice-Premier Li Xiannian admitted recently that 100m people were still underfed.

In Guangdong province, the southern province bordering Hong Kong, the official Press recently reported a sharp decline in State purchases of beef, ducks, eggs and other subsidiary farm products since 1965 and said that supplies to Canton were down.

At the same time the lagging of agricultural growth means that there are fewer agricultural commodities to export (buyers at this year's Canton fair found a shortage of supplies) and that the expansion of light industry is curtailed by an insufficient flow of raw materials.

In effect, the deal being proposed to China's 800m peasants, weary from years of turmoil and exhortation to still greater effort, is an offer of higher living standards and more consumer goods if they work harder and produce more. This stretching of capacity.

Construction projects were left half-finished because of shortages of building materials, fuel and power were unnecessarily used to produce goods that were not wanted; quality suffered as factories attempted to achieve their production targets and the rail network was congested. In short, there was a great deal of waste in an ill-co-ordinated programme.

Supporting the high growth rates was an increase in the State's capital construction budget, by 34 per cent over 1977 to 39.5bn Yuan. This year it is being held practically constant at 40bn Yuan. Yu Qiuli's speech suggests that nationwide there may even be a reduction in construction expenditure when local budgets and other outlays are included.

Within the State budget, the highest allocations are focused

on where the bottlenecks have been greatest: coal, oil, electricity, transport and building material. Overall, however, the share of heavy industry in investment is being cut from 54.7 per cent in 1978 to 46.8 per cent this year.

• Overhauling the bureaucracy and establishing new methods of accountability and control for the vast array of organisations and enterprises that fall under the State. Zhang Jingfu said: "Where there should be centralisation there isn't, and where there should be decentralisation, it's missing." Chinese officials also testify to the jealous competition between ministries and to the overlapping responsibilities of central and local authorities none of whose powers of decision are clearly defined.

Reforms intended include more decentralisation to the provinces; allowing State enterprises more independence in management and greater control over their funds; encouraging the use of market concepts as a more rational base for decision making; using the banking system to exert greater financial control; and establishing new semi-autonomous organisations to cut through red tape.

• A stronger foreign trade sector. Foreign trade as a proportion of GNP has been slipping from an already small 3.2 per cent in 1959 to only 3.7 per cent in 1978. The intention is to reverse that trend. Although there has been a shift back towards emphasising self-sufficiency this year after the headlong plunge towards imports of foreign technology initiated by Deng last year—a short cut to faster growth—China is still looking towards a substantial increase in plant imports.

The value of imports is expected to rise this year by 32 per cent to \$14.3bn. At the same time the government is putting more muscle into increasing export earnings and looking to new avenues of compensation trade, joint ventures and tourism to achieve it.

Exports are planned to increase 14.7 per cent over last year to \$11.1bn. This still leaves a substantial trade deficit, part of which will be covered by increased borrowing. Western experts reckon that Peking is prepared for a ceiling of \$23.5-30bn of outstanding debt by 1985. But how far it is prepared to borrow, clearly will depend heavily on the success of offshore oil exploration.

This stabilisation programme is largely the work of Chen Yun, the 79-year-old official brought back to high office in December and made a Vice-

SELECTED ECONOMIC INDICATORS												
	1952	1957	1965	1970	1971	1972	1973	1974	1975	1976	1977	1978
GDP (1977 Shn)	92	128	172	244	261	273	308	320	342	342	370	407 * (580)
Population (m)	570	640	754	847	867	886	906	924	943	962	983	1,004 * (975)
Per capita GNP (in 1977 \$)	162	201	228	288	301	308	341	346	363	355	377	405 * (605)
Agricultural production index	84	100	101	126	130	126	142	146	148	146	151	151
Total grain (m tonnes)	161	191	194	243	246	240	286	275	284	285	286	283 (305)
Cotton (m tonnes)	1.3	1.6	2.0	2.2	2.1	2.6	2.5	2.4	2.3	2.0	2.1	2.2 (2.0)
Industrial production index	48	100	199	316	349	385	426	455	502	502	572	646
Electric power (bn kWh)	7.3	19.3	42.0	72.0	86.0	93.4	101.0	108.0	121.0	128.0	141.0	162 (256)
Coal (m tonnes)	66.5	130.7	232.2	327.4	353.6	376.5	398.1	410.6	473.6	488.0	546.6	605 (618)
Crude oil (m tonnes)	0.4	1.5	11.0	28.2	36.7	43.1	54.8	65.8	74.3	83.6	90.3	100.3 (104)
Crude Steel (m tonnes)	1.3	5.4	12.2	17.8	21.0	23.0	25.0	21.0	24.0	24.0	23.7	31.7 (31.7)
Cement (m tonnes)	2.8	6.9	16.3	26.6	31.0	38.1	41.0	37.3	47.1	49.3	56.2	67.8 (65.6)
Foreign trade (current Shn)	1.9	3.1	3.9	4.3	4.8	6.0	10.3	14.1	14.6	13.3	15.1	20.8 (22)
Exports, fob	0.9	1.6	2.0	2.1	2.5	3.2	5.1	6.7	7.2	7.3	8.0	10.2 (10.4)
Imports, cif	1.0	1.4	1.8	2.2	2.3	2.8	5.2	7.4	7.4	6.0	7.1	10.6 (11.5)

Source: CIA Economic indicators and China's State Statistical Bureau. The American figures are preliminary. The Chinese figures are in parentheses. *The Chinese figure for GNP is based on a statement by the Foreign Trade Ministry to the FT delegation that foreign trade accounted for 3.7 per cent of China's GNP in 1978. The Chinese authorities have not issued official figures for China's GNP.

Exchange rate \$1=yuan 1.62

premier in June with status at which the expanding economy had exhausted the possibilities of immediate growth and was running up against shortages of fuel, power, raw materials and rail transport that resulted in high-cost, low-quality production.

It was also clear that in spite of the first increase in wages in years, China's industrial workforce was not prepared for another Herculean effort to meet unrealistic targets set by the leadership.

First, with only a tenth of its land surface is cultivable (and this is already intensively farmed) there is no easy way that China can accelerate its growth in agriculture. Increases in output will depend on the slow process of putting more land under irrigation, of developing new high yield seeds, and of learning to apply fertilisers more scientifically.

Foreign experts believe that China will be lucky to obtain an annual 3 per cent increase in production which, with the country's population growing at about 1.5 per cent, does not leave much leeway for raising living standards and exporting more farm produce.

Second, China has a long uphill haul to develop a fuel and power system capable of sustaining industrial growth of 8-10 per cent.

Finally, China is a land of a billion people and vast spaces. Since independence the Communists have found no satisfactory way of administering it that both retains central control and leaves room for local initiative.

The traumas of the Cultural Revolution have left a bureaucracy nervous of innovation and timid to take decisions. The old men now at the top may wish to strike out bravely, but that is not the inclination of officials below them.

D.H.

COLES CRANES at work in China since the early 50's

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A billion mouths to feed

AGRICULTURE

THE GROWTH of agriculture and the need to achieve a surplus of food over population is China's most basic economic problem. It is compounded by the fact that agriculture supplies a high proportion of the raw materials for light industry, which in turn provides about 40 per cent of the exports.

The growth of heavy industry also depends on agriculture since it has to feed an ever-growing urban population; and the raising of the standard of living is dependent on it since, for huge numbers of the rural population, a better life still means a better diet rather than more consumer hardware.

While the Chinese claim to have reduced the population increase to only 1 per cent, they currently admit to a population figure of 958m (the statistic published at the recent National People's Congress, minus the figure for the "province" of Taiwan). Some U.S. demographers believe on good grounds that the figure is well over 1bn.

Until recently, the increase rate was probably at least 2 per cent, which is not much less than the long-run trend of 2.25 per cent annual increase in grain production. Hence the extreme difficulty the leadership faces in trying to provide that most elementary factor in a rising standard of living: feeding the people better.

However, the leadership officially remains optimistic, but while it has abandoned the extravagant industrial targets it put out last year, it continues to put forward the 1985 planned grain output figure of 400m tons. This will require a 4 per cent increase annually in ton-

nage which the country seems unlikely to attain.

Grain production for 1978 was said at the recent Congress to be 304.75m tons, 7.8 per cent up on the previous year. If this figure is correct, it is a healthy increase and makes up for the bad years of 1973-77, when production stagnated owing to bad weather.

However, it has not put the Chinese much ahead; an annual 2.5 per cent increase since 1973 would have given them 303m tons, so they are barely ahead of the long-term trend. While there is no reason to think that the Chinese have misrepresented the total, they have revised the figure upwards several times since last autumn, which suggests at least an uncertain statistical reporting service.

Cautiously, China's planners have set a target for the current year of 312m tons, just 2.6 per cent above the figure for last year. If they can genuinely keep the population growth at 1 per cent, it should provide some scope for economic growth, but many observers still believe they have some way to go before they can induce the peasants to accept small families and rigorous birth control measures.

Modest

In fact the prospects for the current year are modest. In Sichuan only 80 per cent of the rice could be transplanted owing to drought. In the north China plain the wheat was planted late in very dry weather. Good spring rain brought over-rapid growth and problems such as small ears and aphid infestation.

In central China the crops were set back owing to the cold, wet spring, and in some places rice had to be replaced by wheat, though this damage

could be repaired by good weather and a late autumn. Irrigation will have been affected since the drought last year meant that reservoir levels were low.

Most tellingly, however, the crops in the north-east, which last year produced a good slice of the big rise from 282m tons in 1977, are unlikely to repeat the jump since the late, cold spring has affected the spring wheat.

Peking's biggest worry is where future growth is to come from. China's well-watered, fertile land always has been intensively cultivated, and while modern methods such as powered irrigation and chemical fertilisers have made some difference, the limits on what can be achieved readily may be in sight already.

There is very little worthwhile new land that can be brought into cultivation. The density of habitation is already very high; in the Sichuan basin (admittedly the most densely populated agricultural area of China) the average amount of farmland per head is 1.2 mu (6 mu=1 acre).

While China now has reasonable supplies of chemical fertiliser (8.7m tons produced last year, in terms of nutrient content) the experience required to use it properly is lacking. At communes outside Shenyang and Chengdu the peasants complained that it made the crops grow too quickly, with ears that were too small. Both communes would have liked more organic fertiliser.

These complaints are typical of peasant communities that are not using chemicals correctly. To do so requires knowledge and experience that the Chinese authorities are currently unable to supply.

The destruction of research and the denigration of the

academic experts during the years of the Gang of Four has put the development of a good agricultural extension service back many years. While there is an elementary system of spreading agricultural techniques to the countryside from the academic research centres, no experts have been trained since the middle 1960s.

Development of improved seed strains has been via selection rather than breeding, and while the post-Mao attitude to foreign techniques may mean the import of expertise and seed strains, it still takes some years to adapt these to Chinese conditions and climate.

Irrigation

More irrigation is one key to increased production, but the problem here is the difficulty of bringing water to the much more inaccessible areas remaining dry. Then there is the competition between the needs of the hydro-electric industry and agriculture—further offtake of water for farming would hamper power generation even more than it already does in dry spells.

In the north China plain, perennially dry but nonetheless a vital wheat-growing area, the sinking of tube wells has lowered the water table. There is some doubt about the capacity of rainfall and other water seepage to replace it, while unwise irrigation without adequate drainage has caused alkalinisation of the soil.

Mechanisation is another development that could help, although the government wisely has decided to give up the attempt to mechanise wholesale. In one locality, in the open plains of the north east, U.S.-style farm machinery has been used most successfully. Elsewhere in China, though, the fields are small and often ter-

raced and machinery is not raised and machinery is not much use.

What the communes need is farm equipment to help them harvest one crop and put in another as fast as possible to step up multiple cropping. What they have at present is either too unreliable or too complicated. Tractors large and small seem to be used mainly for transport, while rice transplanters, each of which is manned by three people, are far from fully automated.

Rising government alarm at these constraints accounts for the redirection of economic policy this year towards bigger investment in agriculture and more incentives for the peasants. Last December, confronted with a rapidly over-expanding economy, the central committee revised its ambitious development plans in favour of a new priority for agriculture and light industry, much of which depends on agricultural raw materials.

The leadership decided to

raise the prices paid to the peasants for produce, and cut the prices of farm inputs. This was swiftly followed by the announcement of a new policy to develop key areas selectively, and a growing stress on sideline production to supplement the basic grain allowance.

The "key areas" policy involves switching crops to land most suited to them, for instance cotton to the best cotton land and wheat to the best wheat land. But it is not easy to persuade peasants to give up growing food for cash crops even when they are promised adequate rations simply because in hungry years the government has fallen down.

on its word. Hence this logical but unpopular policy may take some time to put into effect.

There are reasonable prospects for raising sideline production, particularly in the livestock area. China last year claimed an inventory of 301m pigs, still less than half the target of one pig for every peasant. Official prices paid to the peasant have all gone up, and the reappearance of free markets means that prices can float freely.

How far China can go in this direction by relying on peasant initiative and keeping livestock remains to be seen, however. Peking clearly is thinking of

bigger schemes, such as its proposed development of the grasslands in western China for improved animal husbandry.

One expert view of China's agriculture is that it may be as much as ten years before there is significant progress in growth. The training of a new generation of agricultural scientists, the development of experience in seed breeding and the proper use of fertilisers, and the construction of costly and difficult water control will take a long time to develop. In the meantime, it is no wonder that one of China's main campaigns is pressing for rigorous population control.

C.M.

Traditional farming in Sichuan province. Despite lack of modern machinery China produces most of its own food.

Community role restored

BANKING

THE People's Bank of China, Peking's central bank and by far its most important banking organisation, has begun to resume and even expand the part it played in managing the economy before the disruptive era of the Gang of Four. As the leadership in Peking introduces more decentralisation, greater responsibility for savings, investment and for overseeing the fulfilment of contracts between enterprises, on which the whole interlocking economic system rests, will fall on local bank managers. The powers of the Bank are being strengthened to ensure that it can carry out these functions properly.

The People's Bank began its rehabilitation at an important banking conference, last February. The conference report commented with devastating frankness that "the efficiency of our banks lags behind that of the 17-year period preceding the Cultural Revolution and trails far behind banks in other parts of the world." The conference summoned to instruct bank managers in how to play a positive role in the "readjustment" policy announced tighter rules for loans, more disciplinary powers for managers to enforce banking regulations and higher interest rates from April 1 this year to attract more deposits.

Under the Gang of Four, the Bank's authority was completely undermined, as was that of all the economically-minded party and government leaders.

According to sources in the Bank, the radical Gang attacked the deposit business by saying that anyone who put money in the bank should not get interest as it was part of capitalist exploitation (though interest was never officially abolished).

Furthermore the Gang said that those who put too much money in the bank would inevitably become bourgeois, and added that strict terms for loans would lead to capitalism. Fear of seeming capitalist or bourgeois in that period of arbitrary accusation and arrest affected savings and loan policy, and the Bank's influence over the economy declined.

Following the Bank's rehabilitation since the Gang period, the leadership is attempting to use it as it did in the past as a lever of control. The People's Bank is intended to operate in every stratum of the economy, and at the highest level it now plays a part in the formation of the state plan and the budget.

Planning in China is in physical rather than monetary terms, and the money supply is decided to suit the planned supply of goods, according to the system of material balances used in planning. The Bank is consulted to ensure that the currency in circulation is adjusted to the expected level of output and to examine construction plans to make certain that they do not get out of control, as they evidently did last year.

In the new era of readjustment, the People's Bank sees itself as having three means of economic management. The first is attracting deposits to increase the funds available for loans (and incidentally reduce the likelihood of inflation). These have always been one of the Bank's main sources of funds, as personal savings get bigger every year. The total amount of savings at the end of 1978, according to sources in the Bank, was roughly 15 or 16 times that of 1952. Total accounts now number 88m.

From April 1 this year the People's Bank has raised interest rates substantially to over 5 per cent per annum for five-year deposits and just under 4 per cent for one year.

Presumably to attract foreign deposits, Overseas Chinese get slightly better rates. These are, worth more than their face value since there is no income tax in China. According to the Bank, these new measures have more than doubled the amount of money on deposit.

SOURCE

Another source of funds is the money held in the accounts of industrial enterprises. As production increases, this source gets bigger and bigger.

Yet a third is the savings by non-commercial enterprises (for example, the Foreign Ministry or other Government bodies). These are legally obliged to keep their funds in the Bank and they do not draw interest on them.

The People's Bank's second management tool is its loan policy. Bank loans are a secondary but important source of funds for enterprises. The country's main capital construction funds do not come from the Bank, but from the appropriate planning level (central, municipal, provincial), in the form of grants. There is much discussion about whether the grant system should be changed to force enterprises to make factory managers more accountable.

Working capital also comes in the form of non-payable grants, but if the enterprise exceeds its grant it will have to borrow from the Bank. The newly reconstituted Construction Bank (it disappeared in the Cultural Revolution), which is funded out of the budget, makes interest-free loans. At the moment the People's Bank has taken on some of its responsibilities in financing collectively owned (as opposed to state-owned) enterprises. This is particularly important now as collective enterprises are being encouraged to help solve the serious unemployment problem.

Loans from the People's Bank are for a maximum of 12 months, and the terms are adjusted to the needs of the enterprise. The enterprise is expected to make a detailed report to the Bank and complete an application saying how it plans to use the loan and when it will be repaid. A branch bank below provincial level can decide on a loan provided it does not exceed its

annual budget. If it does, the branch must apply to the next level up.

The Bank does not really play an important role in industry as it might in a Western economy. Although it has some experts in particular industrial fields (the steel industry, for instance), it mainly uses staff in other government departments to check on the efficiency of a particular enterprise.

The distribution of loans is normally dictated by the needs of the state plan, but the current policy is to give priority to enterprises which in the judgment of the Bank are the most successful. This is certainly an innovation in China, where previously the plan came first and inefficient enterprises were supported by the Bank to help them fulfil their targets because even if non-commercial, they were thought to be necessary. The Bank now assesses the profitability of an enterprise and the extent to which its products are needed, either on the home market or for foreign trade. The most efficient factory making the most desirable goods gets the biggest and longest-term loan.

There is no doubt that this policy is being interpreted strictly. After the unbridled outburst of capital construction last year (the funds for which did not come from the People's Bank, however, but from ill-planned state grants), the Bank is looking very carefully at loan applications. At the banking conference in Peking in February it was ruled that banks should have the power to refuse loans even though they might be recommended by a "leading comrade."

The Bank's third management tool is its control of the circulation of money. Besides being the bank of issue, it also supervises all transactions above 30 Yuan (just over £9), which according to the regulations must go through its books. If an enterprise does not pay for raw materials or products, the bank can either insist that it makes compensation or it can simply transfer the money out of its account. It can also prevent an enterprise making large profits through overcharging as this, too, will be obvious from its records.

In the same way the Bank can supervise output and construction. It can see from its books if too much raw material is being used, and it can criticise low quality. If its criticisms are ignored, it can stop loans or demand higher interest. Where construction is extravagant, it can either admonish an enterprise itself or, if this has no effect, refer the matter directly to the State Council. To avoid this situation, when planning takes place at the different levels of the hierarchy, the Bank must be consulted. Clearly, the People's Bank, with its 36,000 branches and 360,000 staff, is an influential organisation and one that will play an increasingly powerful role.

C.M.

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دستور العمل

Muddling through

INDUSTRY

MAINTAINING a high rate of investment in industry has been one of China's central priorities for the past 30 years. There is now a larger diversified industrial base than the country produces most of the materials, machinery and consumer goods that it needs; the fact that foreign trade represents less than 4 per cent of GNP illustrates the degree of independence that has been achieved.

But China's industrial performance has been held back by weaknesses in the planning system and in the management of individual enterprises. Because of political and ideological conflicts there has been an erratic approach to foreign technology.

There has been confusion too, over the relative importance to be attached to capital intensive, large-scale industry and small-scale rural industry. The result is a lack of balance which is aggravated by persistent shortages in basic sectors of the economy, notably electric power, transport and building materials.

The present regime has adopted an industrial policy which is designed gradually to eliminate these weaknesses and to set the economy on the road towards balanced development.

The ultimate objectives are the same as they were in 1949—rapid economic growth and national independence, especially in defence—but the methods are based on a more realistic assessment of the skills, experience and resources which exist.

After the euphoria of early 1978, when a series of over-ambitious goals were proclaimed, it is realised that China cannot do everything at once. There is an urgent need to make full use of existing investment before embarking on massive new commitments.

The implications of this appraisal were evident at last month's National People's Congress. The first two points made by Vice-Premier Yu Qiqiu in his comments on the 1979 economic plan were, first, that efforts should be concentrated on developing agriculture at higher speed; and, second, that everything possible should be done to speed the growth of light industry.

The coal, petroleum, power, transport and building mater-

ials industries would be strengthened, but production in other industries "would be arranged in accordance with possible fuel and power supplies". The proportion of the central government budget allocated to heavy industry would be reduced.

The range of products covered by light industry is wide. It includes textiles, footwear, ceramics, handicrafts, canned foods, consumer electronics, bicycles, sewing machines and a host of other consumer items. Some of these activities were well established in China long before 1949; while there is a need for modern designs and modern technology, they pose fewer problems of management and organisation than steel or petro-chemical plants.

Vital

A rapid expansion of this sector serves several purposes which are vital to the Chinese economy over the next few years. Because it is labour intensive, it will help to solve the unemployment problem. It provides an important market for the products of agriculture.

An improvement in the quantity and quality of Chinese consumer goods is necessary to meet the people's aspirations for higher standards of living.

Products of light industry, in which China has a comparative advantage, should be a dynamic element in the country's export trade, helping to finance imports of capital goods. Finally, investment in light industry should yield quicker returns than investment in high-technology heavy industry.

A recent editorial in the Workers Daily noted that between 1950 and 1977 profits and taxes paid to the central government by the light and textile industries accounted for 29 per cent of the state's revenues. This was equivalent to 70 per cent of the state's investment for capital construction and 14 times the investment in light and textile industries.

For each yuan spent on light and textile industries the state received 52 cents in the form of profits and taxes, compared to only six cents received from heavy industry. The editorial commented that the new priority for light industry would temporarily delay the growth of heavy industry, but "it will be more than compensated, because after eight or ten years

funds for the construction of more heavy industrial enterprises will have been accumulated."

The switch of emphasis towards light industry cannot be achieved by government decree. The manufacturing operations may be relatively simple, but the task of mobilising the many thousands of small enterprises scattered around the country is formidable.

The bureaucracy, both central and local, has been geared to the needs of heavy industry; it is the managers of heavy industrial enterprises who know how to work the planning and allocation system. Moreover, if the manufacturers of light industrial products are to play a bigger part in satisfying consumer needs and in promoting exports, they will need to be responsive to changing market requirements.

It is in this sector more than any other that the planned, socialist economy has to be modified by the injection of market economy principles—which the Chinese leaders say they are determined to achieve.

Direct contact with customers is essential. A model of what can be done is the Shanghai Leather Shoe Factory, which this year is exporting about 500,000 pairs of ladies' shoes to customers in Australia, the U.S., Hong Kong and elsewhere.

Not only are the designs and styles well suited to the world market but the managers appear to be in regular contact with their international customers and to be relatively free of the bureaucraticencies of which other enterprises complained.

The factory has its own retail shop in Shanghai.

In textiles, garments, food processing, toys and other branches of light industry there is scope for co-operation with foreign companies which can provide equipment, know-how and access to world markets. In electronics, particularly, the Chinese authorities are hoping that the new law on joint ventures will stimulate the inflow of foreign capital and technology.

Matsushita, the Japanese consumer electronics company which recently signed an agreement to manufacture TV sets in China, hopes to develop collaboration with the Chinese on a wide range of products, perhaps involving other Japanese manufacturers. At the same time the Chinese themselves are sending out missions to learn

more about foreign markets—consumer tastes, distribution channels and marketing arrangements.

The expansion of light industry cannot take place without a reliable supply of equipment, components and materials from the heavy industrial enterprises.

An improvement in the efficiency of heavy industry is one of the goals to be achieved during the three-year period of re-adjustment.

The bureaucracy, both central and local, has been geared to the needs of heavy industry; it is the managers of heavy industrial enterprises who know how to work the planning and allocation system. Moreover, if the manufacturers of light industrial products are to play a bigger part in satisfying consumer needs and in promoting exports, they will need to be responsive to changing market requirements.

Visits to factories making machine tools, steam turbines and electronic computers show that the Chinese are capable of developing and manufacturing complex machinery on the basis of their own efforts, since they have generally moved beyond the original East European designs.

While the policy of self-reliance has often been carried to extreme lengths, factories have shown remarkable ingenuity in overcoming production and supply problems.

Moreover, the managers of these plants are well aware of their technical shortcomings and have a pretty clear idea of what should be done about them. At the Shenyang No. 1 machine tool factory one of the products is a vertical multi-spindle semi-automatic lathe, used mainly in the automotive and tractor industries. In the workshop there is a large display which enables technicians and workers to compare in detail the specifications and performance of this machine with four comparable machine tools made in the U.S., the UK, Italy and the Soviet Union.

The need to reach internationally competitive levels of quality and reliability was strongly emphasised in this and other factors.

The selective application of foreign technology will be necessary to upgrade the performance of heavy industry. In the sectors which supply essential inputs to agriculture and light industry, such as fertilisers, synthetic fibres and plastic materials, China is continuing to place very large orders for complete plants with foreign companies. But for the most part China will probably use a combination of self-help and limited foreign aid to improve what they already have, farm machinery, where there is a need for more efficient engines, modern tractor designs and new production facilities, will be an interesting test of this policy.

At the same time China will apply a more rational approach

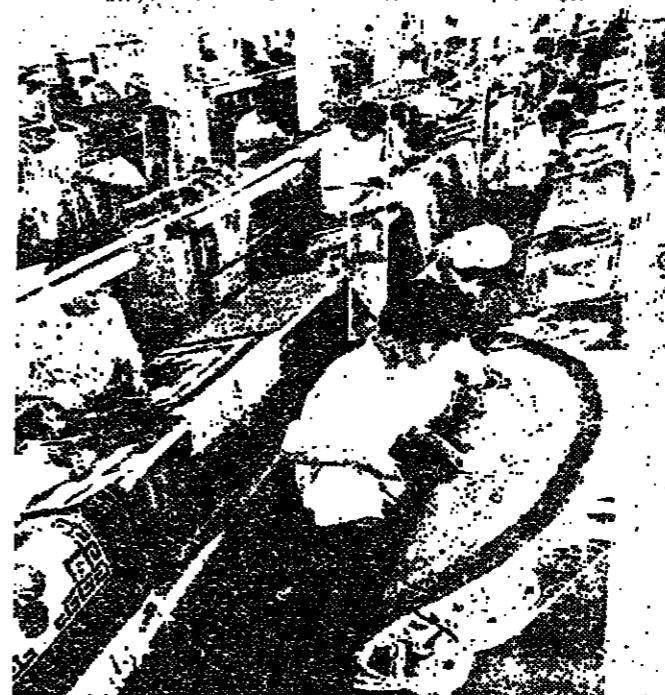
to small-scale rural plants. In principle these plants play a useful role in using local materials and supplying local markets, especially in a country whose transport and distribution network is under-developed, but the product and technology must be appropriate to small-scale manufacture.

There is enormous scope for improving efficiency at all levels of Chinese industry. Yet it is striking how much has been achieved despite political disruptions and the difficulties imposed by centralised planning.

Not only have the Chinese mastered some difficult technologies (especially but not exclusively in defence-related sectors), but they have shown a remarkable capacity for improvisation and muddling through.

Given a stable political environment, rational economic policies and, above all, patience, China is capable of developing a modern industry well-suited to the needs of the country.

G.O.



Woolen carpets being made in a Chinese factory

New mining projects await go-ahead

MINERALS

the upper peninsula of Michigan—which is one of the reasons Kaiser was chosen to do the work, since this company had engineered the Tilden project.

Kaiser's contract, signed last autumn was for the first phase of the project, to provide engineering services for the mine, concentrator, pellet plant and auxiliaries. The project team under Mr. Les Trew has been working out capital and operating costs, obtaining bids for the equipment and preparing a financing plan—all of which will be discussed with the China National Technical Import Corporation and the Ministry of Metallurgical Industry in the next few weeks.

Although steel has moved lower down the list of China's priorities, Kaiser Engineers has received no indication that the Sijiaoying project will be deferred.

The decision on Sijiaoying will be a pointer to China's intentions on how fast the country's mineral resources are to be exploited. Another American company, Bethlehem Steel, is working on a similar iron ore project at Shuichang, also in Hebei province.

In non-ferrous metals, too,

there is substantial scope for import-saving, but some of the reserves are in remote areas which will need large investments.

Traditionally China has been a substantial exporter of tungsten, tin, mercury and antimony, but production of these metals has tended to stagnate in recent years and new investment is badly needed.

There are known to be rich reserves of these four metals, as well as of manganese and molybdenum. There are also extensive deposits of aluminous ore, bismuth, gallium and titanium, together with large potential supplies of copper, lead and zinc.

According to a recent article in *China Reconstructs*, some important discoveries have been made in the past year. These include copper/lead/zinc in Sichuan; bauxite at Pingguo in Guanxi; province; silver in Henan; copper in Xizang (Tibet); copper with potential reserves of more than 8m tonnes in Jiangxi; lead and zinc in the west of Yunnan. The same article refers to recent discoveries of nickel and chrome.

How quickly these deposits will be exploited is unknown. China is importing large quantities of aluminium, copper, nickel, chrome, lead and zinc. Numerous discussions have been held with foreign companies about mining projects, but few substantial contracts have yet been signed. Fluor of the U.S. is conducting an engineering and financing study for a big open-pit copper complex in Jiangxi province; this may be associated with a copper refinery on which Sumitomo Mining of Japan has been working.

Lurgi of Germany signed a framework agreement last November for non-ferrous metals development and the first few projects are now being negotiated. These include new equipment for mining, beneficiation and smelting which would be financed on a compensation trade basis, with ore concentrates and metals shipped from China and marketed by Lurgi's parent, Metallgesellschaft, one of the world's largest metal trading companies.

Two British groups, Charter-COB and Selvurst Engineering, submitted proposals earlier this year for six mining projects. The former recently held further talks in Peking on four of these projects—a lead-zinc venture in Qinghai, tungsten in Hunan, tin in Yunnan and cobalt in Hainan Island.

It seems that the non-ferrous expansion programme will be phased over a longer period than had originally been intended, but the next few months should show how high a priority China now attaches to this sector. One of the questions remaining to be answered is how the use of compensation trading will be reconciled with China's large internal needs for non-ferrous metals.

G.O.



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Q What did the London Festival Ballet and the First International Agricultural Machinery Exhibition have in common?

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INDUSTRY

Burdens on the network

TRANSPORT

CHINA'S TRANSPORT system is far from adequate even for the present state of its economy. Peking's recognition of this is an important reason for the introduction of its economic "re-adjustment" policy. Relatively it became aware that its rail and port facilities were groaning under their present load, and to increase it with a further load would be inviting disaster. Speaking with frankness remarkable even in the new climate, the New China News Agency noted in July that the capacity of many stretches of China's main railway lines had reached saturation point, and that some sections could only meet 50 per cent of demand.

Since 75 per cent of China's freight is thought to go by rail, this is a serious problem. As the railways provide the strategic mobility and logistic support for the army, which is deployed along them for lack of other transport, it is also a severe military handicap. The remaining 25 per cent goes by waterway and roads, and while the waterways are reasonably efficient, neither the roads nor the truck industry are anything like adequate for China's needs.

Peking has great difficulties in overcoming in setting up a satisfactory national transport network. The sheer size of the country — (approximately 4,000 km from north to south and 4,800 km from east to west) is an enormous handicap, and it is increased by the fact that the main rivers run only from west to east. Hence these only provide arterial routes from the developed eastern half of the country to the interior, and act as a positive barrier between the urban centres.

The distribution of the country's raw materials and its pattern of industrial development have added to these problems. Most of the coal and iron ore now exploited is in north and north-east China, and the main industrial centres are in the north-east and down the eastern coastal belt.

But for political reasons most of the transport effort since 1949 has gone into building links with the western interior. While these also contain rich

sources of raw materials, they do not have the infrastructure and skills to develop them quickly. Now that the leadership's main aim is to expand the economy fast, it is concentrating on the east, but the worn-out railway system is already verging on collapse.

The NCNA revealed that the lines east of the Peking-Canton track carry 85 per cent of the total volume of the country's rail freight, and over the years these lines have been neglected in favour of development elsewhere. On the overburdened eastern stretches steel, coal, ore, imports, exports and consumer goods are seriously delayed while trains queue up or change their routes.

Decision

To try to solve these problems the Railway Ministry recently held a national conference which proposed the reconstruction and repair of old lines, the electrification of some major sections and the expansion of three important junctions, including Peking. But the vital question is how far the Chinese will actually be able to implement the decision when they have so many other pressing economic needs.

Even the rail links outside this eastern area are far from satisfactory despite the investment they have swallowed up. China still has only one main north-south line, from Peking to Canton. A second north-south route, from Talyuan to Liuzhou, is still under construction after eight years of work. There are only two major east-west lines, from the east coast port of Lianyungang to Urumchi in the far west, and from Shanghai to Kunming. These are both of strategic importance since they lead to vital border defence areas, and must therefore be partly taken up with transporting military goods.

The railways burden has been increased by inadequate general planning. For example, the 1.5m tons capacity steel plant at Panzhuo in Sichuan province ships out all its products to Shanghai nearly 1,000 miles away for finishing, while the Metres and Cutting Edge Plant in Chengdu, also in Sichuan, ships in its special steels, sometimes from Shanghai but as often from Dalian in Paochi but are planning at



The bicycle is still the major means of transport for the Chinese, with nearly 3m cycles in Peking, a city of 10m people

north-east China, frequently travelling the whole way by rail, a distance of well over 1,000 miles.

This kind of shortsightedness still persists. One example is the recent planning of the \$2bn Japanese-supplied steel works at Baoshan near Shanghai. Ore for the plant, when completed, will be shipped in from Australia, but the planned new port, which will handle 100,000-ton ore carriers, will be at Ningpo, over 100 miles away by sea and more than 200 by land. Even at the Shoudu steel plant near Peking, where raw materials come in from Tangshan, delays are endemic and the steelworks keeps an official permanently at Peking railway station to speed up delivery.

On the technical side the Chinese are apparently capable of making all their equipment, including electric locomotives. So far they operate only one electrified line (Chengdu to Paochi) but are planning at

least four more, plus two which they disclosed last year with the Japanese, Peking-Tielin and Peking-Zhengzhou. The electrification and double-tracking of the Kowloon-Canton line has also been under discussion with British Rail.

Chinese railway problems appear to stem not so much from lack of technical knowledge, which is adequate for their needs, as from long delays in building and repair of worn track and equipment. The People's Liberation Army (PLA) railway corps is responsible for building new lines.

Factions

Maintenance is the job of the local railway bureaux, which come under the Railway Ministry, and during and after the Cultural Revolution these were heavily politicised and drawn into the factional fighting of the times. This affected the running of the trains, the

repair of the lines and the loading and unloading of freight to the point that immediately after the fall of the Gang of Four in 1976 China's most important junction at Zhengzhou had to be put under military control.

While the present leadership is determined to get to grips with the railway problem, neither the long-standing lack of investment nor the endemic political difficulties can be solved in a day.

Waterway transport in China is traditional and appears to work reasonably well. Since the rivers and canals have already been exploited for hundreds of years, it is unlikely that there will be much expansion. The highway system is different. It is at present minimal and apart from a few trunk routes like the road to Tibet, surfaced roads exist only in urban and suburban areas. Truck production, extremely low and inefficient by western standards, is commensurate with that. However, in its present drive to converge on Peking it is unlikely to expand motor transport.

Containerisation is a general objective and some containers are to be seen on the dockside at Huangpu (Whampoa), the port of Canton. Building work is in progress there, but the People's Daily said recently that not even the first stage of construction had been completed after five years' work. Besides, Chinese roads and bridges would need total reconstruction before container transport becomes a feasible proposition. A container truck which recently made the journey from Hong Kong to Canton had to cross three rivers by ferry. This is typical of the kind of difficulties that face the leadership in bringing the transport system as a whole up to modern levels, and to iron them all out across the country will take many years.

C.M.

A need to simplify the planning system

EFFICIENCY

CHINA'S INDUSTRIAL system is plagued by inefficiencies at all levels and it will take a good many years of determined and consistent effort to root them out.

The inefficiencies stem in part from excessive bureaucracy outside the enterprise — the numerous and often overlapping levels of authority, central, provincial and local, whose approval is needed for key decisions.

While the Chinese are now trying to simplify the planning and control arrangements, there must be doubt about whether a genuine decentralisation of authority to the managers of individual enterprises — which would imply a greater responsiveness on their part to customer needs — is compatible with the Government's insistence on the need for centralised allocation of resources.

Within the enterprise the planning system as it has operated so far is not conducive to rational management. Because funds for capital investment and to some extent for working capital have been allocated by the state in the form of grants, there has been little incentive to use the money economically or to earn an adequate return on them. Virtually all the profits of the enterprise are handed over to the state.

Disrupted

Enterprises do not in general deal directly with their customers or with suppliers of raw materials and components. These functions are handled by other agencies and corporations whose role as intermediary between buyer and seller seems increasingly burdensome and unnecessary.

The internal management of factories was disrupted by the turmoil associated with the Cultural Revolution and the Gang of Four (1966-76). Party Revolutionary Committees made it impossible for senior managers to exercise authority over the workforce, while the drive for egalitarianism led to the abandonment of personal incentives for higher performance.

Although a more normal management structure has now been restored in most enterprises and

bonus systems have been reinstated, it seems that the bad work habits engendered during the 1966-76 period are still widespread; productivity of labour is low.

The Chinese authorities are aware of the need to change institutions and attitudes so that these weaknesses can be overcome. Changes within the enterprise and in the relationship between the enterprise and its supervisory authorities are still being debated, but the direction of reform is clear.

Managers are to be put under greater pressure to perform efficiently and given greater autonomy in running their factories. One aspect of this is the planned move from grants to loans in the financing of capital investment. The idea is that the enterprise which receives a loan for a major project will have to account strictly for its disbursement and will be penalised for overruns in cost or construction time. This should lead to better planning and a more sparing use of capital.

At the same time there are suggestions that the depreciation rate will be increased and that enterprises will be allowed to retain a larger proportion of their profits. Thus the more profitable companies should be able to grow faster and provide better salaries and better conditions for their employees.

However, according to a recent article in the Peking Review, the new system does not mean that there will be free competition for capital construction according to the principle of profit. "The state will continue to draw up construction plans and make decisions with regard to the projects to be built in accordance with the socialist principle and in the interests of the people."

A balance is being sought between autonomy and local incentives on the one hand and central control on the other. Within large enterprises there are moves to shift profit responsibility down to the operating units, so that the managers and workers in those units are held accountable for their performance and rewarded accordingly.

In the Anshan steelworks, for example, which has over 200,000 employees, each of the production units which sells to outside customers has its own profit targets. The management

plans to extend this to plants whose output is used internally and to create new accounting units for maintenance and repair, for component manufacture, for welfare services and so on.

Since the beginning of 1978 Anshan has brought in new bonus schemes. One is a comprehensive bonus for all members of a production unit which fulfils its eight targets. (These targets relate to quantity, quality, variety, labour utilisation, raw material consumption, cost, working capital and profit.) Individual bonuses are also paid to workers who make an outstanding contribution by, say, economising on the use of raw materials.

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	1977	1978
Motor vehicles (units)	125,400	148,100
Internal combustion engines (m.h.p.)	27,41	28,1
Locomotives (units)	293	521
Freight wagons (units)	6,396	16,950
Steel ships (tons)	64,300	865,900

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G.O.

A plan to correct the imbalances

STEEL

ANSHAN IN North West China is one of the world's largest steelworks. It produced 6.8m tonnes of steel last year and total employment, including the iron ore mines, is over 200,000, more than the whole of the British Steel Corporation put together. Yet Anshan suffers from all the weaknesses which have made steel a major bottleneck in the Chinese economy. The equipment, most of it designed and built in China, is a mixture of old and new. Among the 54 mills and workshops which make up the iron- and steel-making complex is China's largest blast furnace and two big 150-ton oxygen converters. But much of the plant is inefficient and there are serious imbalances within it.

Although there are extensive local iron ore reserves, there is not enough ore being produced to feed the blast furnaces. The capacity of the rolling mills is too small to absorb the output of the steel-making shops. Productivity of labour is low, partly because of the disruptions caused during the Gang of Four period but partly also because of the difficulty of managing such a huge sprawling site.

"Since it represents more than a fifth of China's steel-making capacity the modernisation of Anshan is vital to the Government's hopes for an efficient industry which can meet the

country's steel requirements. At the time of our visit a revised development plan, geared to the three-year period of reappraisal decreed by the authorities, was beginning to take shape.

The emphasis is on correcting imbalances and making the best use of existing facilities. The management is looking for a well-balanced works with a capacity of around 7m tonnes. Some of the open-hearth furnaces will be replaced by a third large oxygen converter.

A continuous casting machine will be installed (this will probably be imported) and there are tentative plans for a new wire mill and a tube mill.

The iron ore mines are being expanded; some preliminary talks have been held with United States Steel on this.

At the same time the organisation of the works is being simplified,

with profit responsibility being devolved to the individual units.

Quality

Plans for an immediate and dramatic expansion of capacity have been deferred. This year's budget calls for an output of 6.7m tonnes, slightly less than last year. "During the period of readjustment," we were told, "our aim is to reduce cost and improve quality."

The ambitious project to construct a new integrated works north-west of the present site, with an ultimate capacity of 8m tonnes a year, is still on the table and some preliminary work has been done on it, but it is unlikely to go ahead until

there is sufficient power available.

The Chinese badly need more steelmaking capacity—last year they imported over 8m tonnes, mostly from Japan—and yet their existing plants have been operating well below capacity, through equipment deficiencies, lack of power or for other reasons.

The outstanding case of bad planning is the Wuhan works in central China: nearly \$500m-worth of Japanese and German equipment has been installed but the start-up has been delayed because sufficient power is not available.

The equipment for the Wuhan expansion, ordered in 1974, included a hot strip mill and other plant from a Japanese group led by Nippon Steel, while Demag and other German companies supplied a continuous coker, a cold mill and a galvan-

ising line. The Ministry of Metallurgical Industry is studying several alternatives for supplying power to Wuhan, including a gas turbine power station or a gas turbine power station on take-off several foreign companies have submitted offers.

With so much valuable plant under-utilised there is a reluctance to launch into massive new projects. Since the heady days of early 1978, when a target of 80m tonnes of capacity by 1985 was proclaimed, steel has been moved down the list of priorities. As the Minister, Tang Ke, said to us in Peking: "We have got to be realistic." The immediate need, he stressed, was to improve productivity.

How the reappraisal will affect the size and timing of investment in steel is far from clear. After some months of re-negotiation the new Baoshan steelworks outside Shanghai, to be built by Nippon Steel, is now going ahead. This is the biggest single project within the China-Japan trade agreement. It will have a capacity of 8m tonnes a year to be reached in two stages, and which at present are seriously short of iron and steel.

Complaints

The plan for another new works, at Ji Dong in Hebei province, which was to have a capacity of 10m tonnes or more, appears to have been deferred.

This was the project for which a German consortium including Schloemann-Siemag, GHH-Sterkrete, MAN, Siemens and Thyssen had high hopes. With an estimated cost of DM28bn, the Ji Dong works was to have four blast furnaces, each with a capacity of 10,000 tonnes per day, and two oxygen steelmaking shops with seven 330-tonne converters, as well as a heavy plate mill, a hot strip mill and a cold rolling mill. Officials at the Ministry of Metallurgical Industry indicate that the project will go ahead, but on a time-scale yet to be determined.

Yet if the more ambitious projects have been deferred or

scaled down, the Chinese still will be spending large sums on their steel industry and some of it seems certain to involve foreign equipment. In the case of Shoudu, for instance, there is apparently a desire to order British equipment, but there are the familiar complaints that the prices are too high and an insistence that the imported equipment must be paid for by exports of steel from the plant.

The manager at Shoudu and Minister Tang Ke were emphatic that the Davy and British Steel Corporation, if they wanted the business, would have to help China sell steel in export markets.

Attempts are being made to convince Peking that it makes little sense to sell Chinese-made steel on an over-supplied world market, especially when China needs all the steel she can make for her own consumption. If China insists on compensation trade, which Davy and BSC are quite prepared to consider, it would be more logical to make use of the non-ferrous metals and special qualities of coking coal which BSC has to import from somewhere and which are available in China—or could be made available by the time the steel-making equipment is shipped.

In the meantime there are other problems which have to be solved. One is the need to

improve the supply and quality

of iron ore and coking coal. Although there are large reserves of both these materials, much of the iron ore is of low grade and there has been inadequate investment in beneficiation. Kaiser Engineers and Bethlehem Steel of the U.S. are carrying out engineering studies on two projected iron or mines in Hebei province.

Another problem is the lack of capacity for alloy steels. Discussions have been held with the Japanese and with the UK over plans for upgrading some of China's existing special steel plants and for building new ones. Minister Tang Ke made it clear to us that this sector remained a high priority and that there certainly would be business for foreign companies. More concrete negotiations are expected to be resumed in the next few months.

G.O.

part of the big wave of orders for petrochemical, synthetic fibre

G.O.

مکانیزم الکترونیک

CHINA IX

Huge orders for plant

CHEMICALS

AT LIAOYANG, 20 miles south of Shenyang, in the north-western part of China, some 40,000 Chinese and about 120 foreigners (mainly French) are working to complete one of the country's largest petrochemical complexes. The project is running late, partly because of its size, partly because of design changes and partly, we are told, because of disruption caused by the Gang of Four.

The contract was placed in September 1973 with a group of French companies led by Technip and Speichim and the complex was due to be in operation last year; commissioning is now expected to be completed by the end of 1980.

The complex includes a catalytic reformer, steam cracker and all the intermediate chemicals for nylon and polyester fibre; the plant is the responsibility of the Ministry of Textile Industry.

In addition to the French companies, which include Rhone-Poulenc, F. Uhde, of Germany

has built a high-density polyethylene plant and Snam Progetti of Italy a polypropylene plant; both these are completed, awaiting supplies of ethylene and propylene. Virtually all the equipment is imported except for the polyester spinning line and two of the three nylon spinning lines. There are tentative plans for producing polypropylene fibre at a later stage.

The complex has been built on a green-field site, and construction involves the familiar Chinese mixture of ox-carts and modern earthmoving equipment, mostly imported from Japan. As at the Peking petrochemical works, a large satellite town has been created, with its own hospital, schools and department stores. About 300 Chinese were sent to Europe for training. The number of foreigners on the site is expected to reach a peak of about 300 next spring, when commissioning is due to start. If all goes well, they should all have left by the end of the year.

The LiaoYang contract was

part of the big wave of orders

for petrochemical, synthetic fibre

and fertiliser plants placed in the 1972-75 period. Other big fibre plants have been built at Shanghai, which has already been commissioned, and at Tianjin, still under construction; most of the equipment for these two sites was purchased from Japan and West Germany.

On the fertiliser side by far the largest contract went to Pullman Kellogg, with eight ammonia and eight urea plants; the latter were handled by Kellogg's Dutch subsidiary. The UK's share of contracts during this period was small; Humphreys and Glasgow supplied a methanol plant which forms part of a complex being built by Speichim.

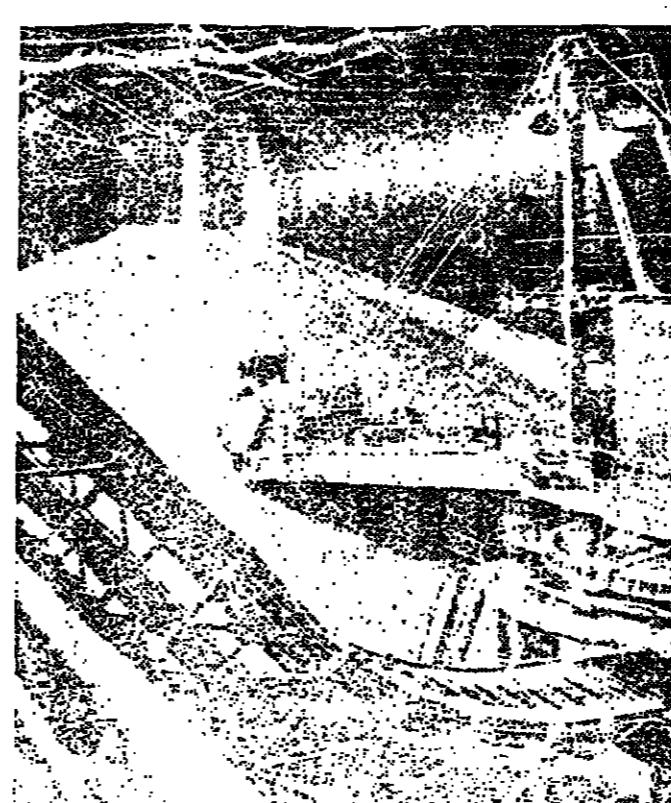
Another wave of ordering began in 1977 and reached a peak towards the end of last year. Again the emphasis is on using China's heavy crude oil as the basis for producing materials needed in agriculture, textiles and light industry. Two of the biggest orders were for aromatics complexes to be built at Shanghai and Nanjing by Lurgi; the latter is associated with the world's biggest polyester polycondensation plant, built by another German company, Zimmer, which is a Davy subsidiary.

Lurgi also won a significant order for a coal gasification plant to produce ammonia in Peking; this technology may be used in parts of the country which have coal resources but cannot economically be supplied with oil. All the Lurgi contracts are on the basis of cash payment.

Among British orders are Davy's contracts for two oxo-alcohol plants and a synthesis gas plant and a CIB contract for high-density polyethylene. Pullman Kellogg has won some further business, but the lion's share has again gone to German and Japanese companies.

The Chinese now have a huge construction programme which may strain their management and engineering resources, but foreign contractors believe China now has sufficient experience of building and operating similar plants to carry through the programme successfully.

G.O.



A fertiliser store at a Japanese-built chemical plant in Sichuan

CRUDE STEEL PRODUCTION (million tons)

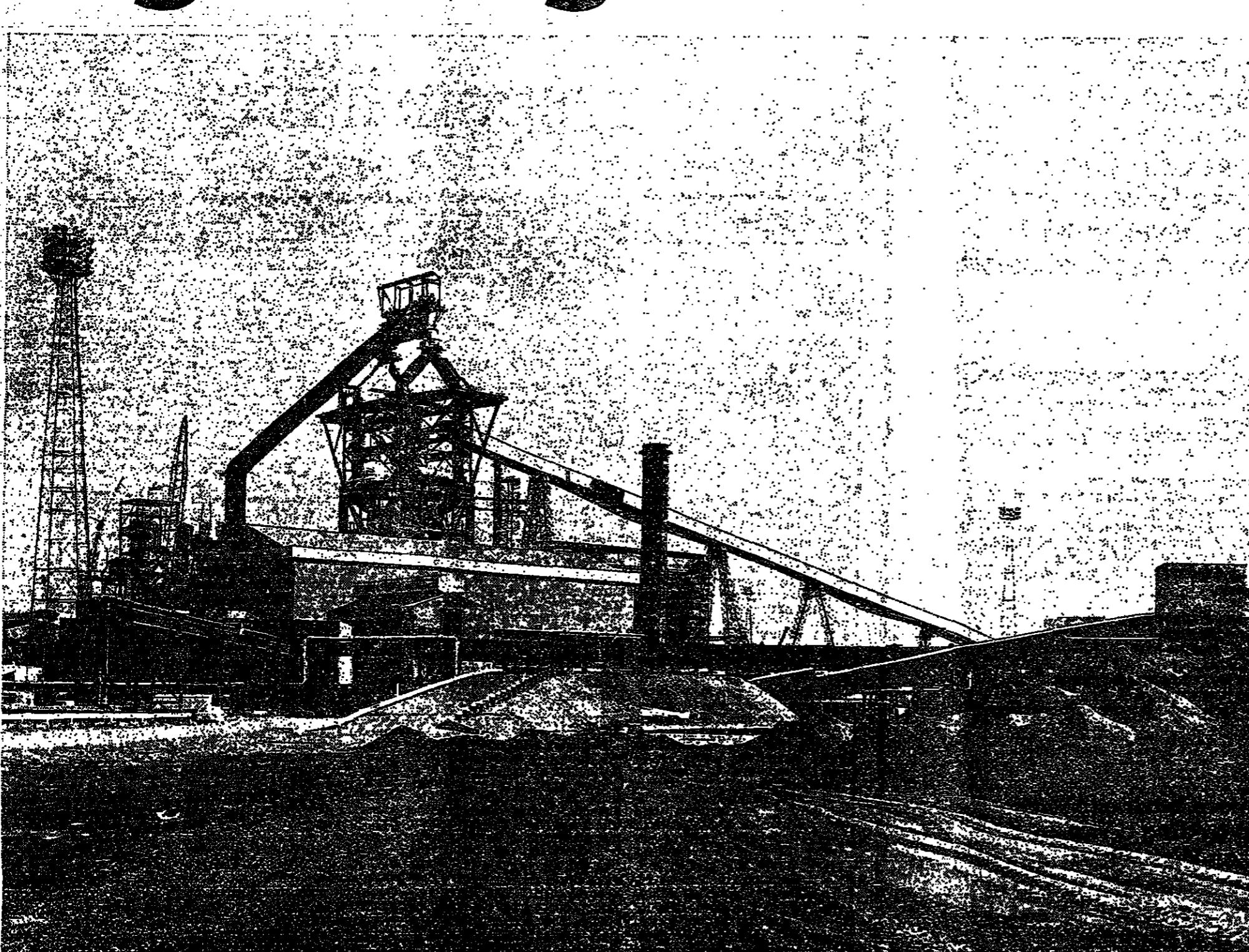
1965	12.5
1970	17.8
1975	25.0
1976	22.0
1977	23.7
1978	31.8
1979 (planned)	32.0

Note: estimated figures for 1965-72, official figures for 1977-79.

MAJOR STEELWORKS

Location	Estimated capacity (in tons)
Anshan (Liaoning)	7.0
Benz (Liaoning)	1.0
Shoudu (Peking)	1.3
Taiyuan (Shanxi)	1.0
Baotou (Inner Mongolia)	1.0
Wuhan (Hubei)	3.0
Shanghai	4.0

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INDUSTRY

Borrowing ideas from abroad

FOREIGN TECHNOLOGY

AT THE No. 13 radio factory in Shanghai a 1,100-strong workforce, including 300 engineers and technicians, is turning out about 100 computers a year. These are Chinese-designed computers, belonging to two families, the DJS series and the TQ series, some models of which are also manufactured in Peking and other cities. The Shanghai factory, specialising in computers since 1966, is under the direct control of the Shanghai Electronic Computer Corporation, which in turn reports to the Shanghai Bureau of Meters and Instruments. General supervision of the electronics industry is exercised by the Fourth Ministry of Machine Building in Peking, but as in most other sectors centralised planning is tempered by a considerable amount of local initiative. Important users or potential users of computers, like the Daqing Oil Field, play a big part in the development of both hardware and software.

Much of the production work at the Shanghai factory is carried out by hand. The senior managers frankly admit that they are many years behind the West in computer design and in manufacturing techniques. The quality of the integrated circuits appears to be patchy and the engineers are eager to move to large-scale integration as developed in the U.S. and Japan.

Familiar

None of the managers to whom we spoke had visited computer companies outside China, but they received the technical magazines and were familiar with what was going on. A few foreign-built computers have been imported in recent years (mainly from Japan), and the Chinese engineers are learning what they can from them. But this is not a substitute for the direct foreign collaboration which the Shanghai managers now recognise is essential. Some discussions with potential partners have already taken place.

It was a similar story at the Shanghai Turbine plant. Built in the 1950s with Czech technical assistance, this factory is now making 50 MW, 125 MW and 300 MW sets. The senior managers admit that

initiative and effort of our wor-

kers, engineers and managers there are still some design problems with these machines; the period between major overhauls, for example, is much shorter with the imported turbine generator sets than with the Chinese machines. The plan is to move towards 600 MW sets during the next five years and a large new factory is under construction for this purpose.

But it is accepted that for the move into the 600 MW era some foreign collaboration is essential. Preliminary talks have been held with General Electric of the U.S. and with the French.

The need for foreign technology is clear, but how much of it will be bought, in which sectors and in what form—these matters are still under discussion. Certainly the Chinese are not going to make themselves as dependent on outside technological help as they did during the 1950s, when the Soviet Union provided assistance on a massive scale. China will use foreign technology only when it is necessary to do so. Foreign companies will not be allowed to exercise direct influence over any significant part of the economy. Their participation will normally be that of adviser, although the distinction between technical advice and management control may be blurred in some cases.

Since the withdrawal of the Soviet technicians in 1960 China's attitude towards foreign technology has fluctuated according to the prevailing ideological climate. The use of foreign technology has been one of the issues in the apparently unending "struggle between two lines," pitting "red" against "experts," "radicals" against "pragmatists," ideological purity against industrial and managerial efficiency. In the early 1960s after the failure of the Great Leap Forward, there was a big increase in purchases of foreign plant and technology—and again in 1972-75 after the Cultural Revolution. With the rise of the so-called Gang of Four the emphasis switched to home-grown technology and hostility to all things foreign.

The present regime is trying to formulate a realistic approach to foreign technology which does not conflict too violently with Maoist ideas.

"Self-reliance is the main principle," Vice-Premier Gu Mu told us, "the importation of advanced technology and equipment should be regarded as auxiliary. We can solve most of our problems by relying on the

Chinese ability to absorb foreign technology is limited by the lack of a design tradition and by the shortage of qualified designers, made worse by the disruption of the education system between 1968 and 1976."

"What the Chinese lack," writes Hans Heymann, "an American observer, is not the ability to manufacture. They

manage quite well with custom building, hand-machining and small-scale batch production.

What they have not mastered

are the techniques of modern continuous-flow production processes, precise automation

technology and other organisational aspects of management."

In this context the importa-

tion of complete plants, particu-

larly for petrochemicals,

fertiliser and synthetic fibres,

should have an important educational effect.

Although the construction of some of these

plants has been delayed enough

for the Chinese to show that they are cap-

able of running complex advanced-technology projects. But the danger is that these plants, most of which were built on green-field sites (sometimes in remote areas), will become islands of modernity without much spin-off effect on the rest of industry. Virtually all the hardware for the Kellong ammonia and urea plants, for example, was imported; the Chinese appear to be cautious about using indigenous equipment in these projects, presumably for fear of causing technical problems which will delay their completion.

If the Chinese are to modernise their industrial base without excessive dependence on overseas companies, they will need to use foreign collaboration in a variety of different ways. For example, the manufacture of petrol and diesel engines is spread over a number of plants and models with oxidized designs and poor economies of scale both in engine assembly and in component production. The modernisation of the farm machinery industry is a high priority and there is an urgent need for more efficient diesel engines.

The British engineering consultants, Ricardo, are advising the Chinese on specific designs and on overall engine policy. China is also likely to seek assistance from foreign engine component manufacturers. This may involve licence deals, the purchase of equipment and complete plants and possibly joint ventures, particularly if the permit imported technology to be paid for by exports.

In some respects the agreement with Rolls-Royce on the Spey engine is a model which the Chinese may seek to use in other sectors—establishing a partnership with a foreign company which is an acknowledged leader in its field, drawing on its technology and advice to update existing designs and manufacturing facilities. For the foreign company the drawback to this arrangement is that it is usually more interested in selling hardware than in transferring technology... For the Chinese the problem is the lack of qualified engineers capable of absorbing the new technology. Training provided by the foreign company is a partial answer but in the long run the diffusion of modern technology will require a great improvement in the quality and quantity of scientific education, especially in the universities and at the post-graduate level. G.O.

A confusion of responsibility

MANAGEMENT

CHINESE MANAGERS, like university professors and others holding senior positions, suffered badly during the period of the Cultural Revolution and the Gang of Four. They were largely deprived of their authority and in some cases relegated to the shop floor. Power was in the hands of Revolutionary Committees which were more interested in ideological purity than in running an efficient enterprise. Since the fall of the Gang of Four the role of the manager has been re-established. Senior executives, though still contending with great obstacles and frustrated because of them, have recovered some of their self-confidence as well as their authority. Most of the managers to whom we spoke during our visit showed as much enthusiasm and determination to improve the profits, productivity and quality as their Western counterparts. The question is whether the Chinese system will allow them to do so.

In most enterprises the dual structure which prevailed before the Cultural Revolution has been restored. On one side is the factory's Communist Party committee, whose secretary is regarded as the most important man in the plant. The Party secretary is responsible for representing the Party's policies and objectives to the enterprise and for ensuring that they are understood at all levels and carried out. He is sometimes said to be responsible for political education, but at the same time he participates in major investment and technical decisions.

All important decisions—for instance on the figures to be included in the annual plan, proposals for the purchase of

welfare and morale of the staff. He is in regular contact with the director (one has an upstairs office, the other downstairs), but does not interfere in day-to-day management.

The Party committee contains some shopfloor workers, but the workers' congress is said to be the main vehicle through which employees' influence on the management of the enterprise.

Some sort of balance appears to be struck between the Party committee and the workers' congress.

"If we relied too much on the workers' congress, there would be a danger of anarchy."

A recent article in the Workers' Daily called for more enterprises to establish workers' congresses. "The leadership of the enterprise must inform the workers' congresses about the finances and planning of the enterprise as well as about difficulties and problems, and should ask them for criticism and suggestions." The article notes that in some enterprises workshop directors, section chiefs and group leaders have been elected by the workers and this has brought about closer relations between enterprise management and workers.

There have been recommendations that direct election by workers should be applied to the senior directors, but this has not happened in any of the enterprises we visited.

Foreign companies operating in China argue that the Chinese management system leads to a confusion of responsibilities and a lack of a clear chain of command. "There is too much scope for group discussion and not enough direction by senior managers." The Chinese authorities appear to accept this criticism. In line with the more

welcoming approach to foreign technology there is a realisation that adoption of foreign management methods is essential if the best use is to be made of imported plant. Visitors from overseas have told Chinese officials that output in some plants could be increased by as much as 5 per cent through a clearer and more rational allocation of responsibilities. An Association of Enterprise Management was set up in Peking earlier this year to study management systems and experience in China and abroad.

How far these developments will enhance the status of the professional manager remains to be seen. Most of the managers whom we spoke were hopeful.

Illustrating

It was, of course, frustrating for the managers at the Shougang steelworks in Peking not to be able to buy even minor items of capital equipment without the lengthy process of filling in forms and arguing their case with officials at the Ministry. It was frustrating to be earning foreign exchange through exports but not to be able to use a cent of it to buy imported equipment, even items which would cost very little but would have a useful impact on production efficiency.

It was frustrating, too, not to have direct dealings with the plant's foreign customers and to discuss market conditions with them, so that they could see the strength of the competition and have a better appreciation of market needs.

It is often said that the modernisation of Chinese industry is primarily a matter of management. But this is not just a question of acquiring specific skills from overseas individuals giving the managers the status, authority and incentive to take independent decisions.

ENERGY

Kingpin of future power plans

COAL

COAL WAS king in China last year. Xiao Jian, the Minister for Coal, announced plans for the doubling of output by 1987 to 1bn tonnes a year. Orders for mining equipment amounted to \$1bn. A \$4bn protocol was signed with Germany for building and equipping five new deep mines and two open-cast mines. Britain was also led to believe that the Chinese had in store for it orders worth several hundred million dollars to develop new mines.

All this was a much-needed recognition that without major new investment in coal, China would not be able to solve its problems of power shortage. But as well, China's ambitions well outstripped its capabilities. Most of the mining ventures involving foreign participation have for the moment been put into limbo, and the Government re-assesses what mines it wants to develop and what foreign exchange it has to spare for mining equipment.

Indications are that there will be a clearer picture of the level of future investment in coal in the autumn. That would fit

in nicely with Chairman Hua's visit to Europe. But even then it is more likely that the Chinese will set in motion a round of new negotiations rather than enter into major new contracts.

China's massive coal reserves are matched only by those of the Soviet Union and the U.S. Between 1960 and 1975, however, output grew at less than 3 per cent a year—a pace woefully inadequate for China's rate of industrial growth even though smaller budgets for coal were offset by higher investment in oil. Output picked up in the early 1970s when renewed emphasis on coal was also reflected in the purchase of \$100m to \$200m of foreign mining equipment in 1973-4.

But the industry was badly hit by strikes and slowdowns during the political chaos of 1976 and also suffered a major loss of output the same year as a result of the Tangshan earthquake.

Production climbed by 12 per cent both in 1977 and last year to 615m tonnes but now seems to have peaked. The extensive half-yearly production figures for January-June 1978 released by the authorities surprisingly did not include coal—an omission that suggests a poor performance. The annual plan for

the year foreshadowed only a 3.5 per cent increase in output.

Such a slowdown would seem to reflect the exhaustion of the immediate opportunities for boosting production. It could also reflect the phasing out of small mines and an attempt to upgrade the quality of much of the poor coal and coke mined at the larger pits. A slower rate of growth would also release some of the congestion on the rail network where coal accounts for a hefty proportion of the freight traffic.

But in the long run the Chinese are looking to a substantial increase in output with view both to switching more power stations to coal firing and thus to freeing oil for exports—to increasing exports of coal and to meeting industry's growing demands.

Targets

The targets set by the Coal Minister (and effectively backed by Chairman Hua, who called for the development of 8 new coal bases in his list of 120 major capital projects) were clearly beyond China's capacity. It is not clear, however, how far before December last year, when the overall retrenchment in the economy was begun, that

the Chinese realised the resumption of talks in themselves and by making use of Chinese manufactured mining equipment.

The Germans had a similar experience and one that followed longer negotiations. The proposal would have involved German participation in adding 62m tonnes of capacity through five deep mines and two open-cast lignite mines in Henan and Anhui province. Among the German groups involved were Krupp, Orenstein and Koppel, Demag and Thyssen Industrie-Bergbau-technik.

Little has emerged as yet of China's revised long-term planning for the coal industry. The focus will almost certainly remain the opening up of new mines and the enlargement and mechanisation of existing major coalfields. No substantial new coalfields have been initiated since Soviet advisers quit the country in the early 1960s.

But the Chinese want to review the siting of their new mines so as to tie some to new mine-mouth thermal power stations and others to the expansion of their rail network. They are anxious to minimise their foreign exchange expenditures by doing as much as possible of the planning work

to help China improve its overseas marketing operations.

The main snag to financing capital equipment purchases through exports of coal is that China does not have much to spare beyond existing commitments and anticipated domestic demand.

When a British company interested in the possibility of compensation trade through

exports of coal to a third wall techniques, reflecting Britain's early influence on the development of the industry.

Coal has accounted for a diminishing proportion of China's energy consumption, dropping from 97 per cent in 1962 to 68 per cent in 1977.

Increased demand will result from both the switch to coal-fired power stations and the growing needs of industrial consumers such as the iron and non-ferrous metal industries.

A major problem is to increase the supply of high-grade coking coal as China's coking coal deposits are of poor quality.

About half of China's coal output comes from the north and the north east, with Shanxi province alone accounting for 70 per cent of the nation's reserves.

Coal resources in the west and south have not been extensively developed. A third of output is still produced by small, often uneconomic and inefficient mines that are a legacy of the Great Leap Forward.

It is these that the Government would like to phase out but it faces major difficulties over the resulting loss of jobs and the inadequacy of the transport system to ferry coal to rural or isolated areas.

D.H.

Blackouts a regular order of the day

ELECTRICITY

IN PEKING blackouts are common occurrences in parts of the city and some factories have to work alternate days. Outside Shanghai, the steam turbine factory—one of the biggest power equipment manufacturers in the country—is forced to operate three shifts in a day. In Wuhan the giant new steel complex is virtually idle.

As delegations passed to and fro between London and Peking, they also added a coal analysis laboratory in Shanxi province, a testing laboratory for equipment and consultancy over methane drainage. In November the National Coal Board signed a memorandum of understanding with the Chinese for pre-planning and feasibility study at Datong, which would have been carried out by PD-NCB.

The Board's consultancy division jointly owned with Powell Duffryn, and which also split out China's interest in securing British involvement in other projects.

Before the visit of Mr. Varley, the then Secretary of State for Industry, to Peking in February, the Chinese began to shift their ground by adding demands that purchases of equipment should be paid for in part by coal to be shipped to Britain. In the spring, after the NCB had done a great deal of preparatory work, the Chinese announced that they could not receive a further negotiating delegation from the NCB until the revision of the national plan had been completed. Indications now are that the Chinese are likely to set a date for the

revision. Some of these difficulties have still not been removed. He says that the design of the 300 MW set was also based on upgrading Czech technology. But it seems clear that difficulties with this have been far more severe. Officials in Peking have admitted to visiting delegations that they are bearing a great deal of trouble with the 300 MW units and that the design technology was inadequate.

Behind the plant is a half-finished extension in which the factory had planned to build 600 MW turbo generator sets—still being tested in China. The first units had been scheduled for completion in 1982-83, but construction work has now been slowed down. The director, with the blessing of the Ministry of Electricity in Peking, wants foreign collaboration in designing a 600 MW unit. The time needed to choose a partner is one reason for the slowdown. The other is that foreign collaboration has only recently been encouraged. When work first began on the site, the official line from Peking was self-sufficiency as preached by Mao's wife and the other radicals.

Domestic equipment manufacturers provide the bulk of China's additional new power capacity. Last year they increased output of power generating equipment by 52 per cent to 4,800MW—a remarkable rise even in a year of fast recovery. But by no means all of this would have resulted in a net gain to capacity. The Shanghai turbine plant says that 20 per cent of its output goes to replace obsolete or broken equipment. Nationwide, American estimates are that some 30 per cent of production of new generating equipment is used for replacement purposes.

In increasing thermal generating capacity China will also have problems in switching over to coal-firing. Vice Premier Yu Qijiu, in his address to the congress, emphasised that former coal-fired generating sets that had been transformed to oil must now be changed back. But at the Min Hang power station near the Shanghai Steam Turbine Plant, the coal-firing equipment had been destroyed during the Cultural Revolution. Officials at the station said: "Similar action must have been carried out all over China at a time when Peking was putting its weight behind more oil fired power stations."

In the 1971-75 period China tried to make good some of its shortfall in generating capacity and to upgrade its technology by foreign imports. Some \$150m worth of plant was contracted for to add 4,500 MW of capacity. But in 1976 and 1977 there was a hiatus in major new orders.

Production at the plant reached a peak of 1,700 MW in 1973, and the target for this year is only 1,500 MW. The numerous machine tools undergoing repair or alteration bear out the director's claim that priority is now being given to improving quality rather than increasing volume. Quality was poor in 1973, he adds.

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TRADE

CHINA XIII

مکانیزم اقتصادی

The going is hard

FOREIGN CONTRACTORS

DON'T IMAGINE that China is going to be a bonanza for the foreign contractor. It's a difficult and demanding market and it's only worth going in if your technology is strong and you're prepared for the long haul," says a British contractor.

He adds "You may have to graft away for several years, spending a lot of money in the process, before you see any real business."

The Chinese are experienced negotiators who do not take unnecessary risks. They like dealing with companies they know and trust. When they are thinking of doing business with a newcomer they want to satisfy themselves about his track record. They do their homework thoroughly. In some cases they decide that one or two countries are leaders in the relevant technology—Japan and West Germany in steel-making plant, the U.S. in large iron ore projects, Britain and West Germany in coal mining—and limit the choice of contractors accordingly. But this does not necessarily mean that the contract is placed quickly.

"It can take at least a year between the first nibble and serious negotiations about a contract, with numerous delegations going to and fro. But when the Chinese start negotiations, they are businesslike and straightforward. They can drive you mad on price, but they can be more flexible on the details of the order than most of the East Europeans."

Before placing the latest batch of contracts with Lurgi the Chinese made a very careful study of what the company had to offer. "They gave us in precisely those areas where we knew we were strong and avoided those where we were weak," says Dr Dietrich Neiss, Lurgi's chief executive. "They have excellent knowledge of the Western market."

In pre-contract discussions the Chinese expect patience and mutual respect. Mr. John Bing, manager of Pullman-Kellogg's China operations, says: "One must realize the system does not move quickly. One must always act reasonably. We all know we should be slow to anger. With the Chinese one must be even slower."

Lengthy

Negotiations may well be lengthy. "If you are sending a team of negotiators, send only senior, technically competent people. And give them the authority to take decisions if they have to. Send them without a fixed time schedule. Make their commitment to the negotiations their only commitment for as long as negotiations continue."

Trust and mutual understanding are only built up over time and this is one of the reasons why the Chinese have a high regard for companies like East Asiatic and Krupp which have made a long-term commitment to trade with China.

For the contractor selling technology or complete plants direct negotiations are normally held with the China National Technical Import Corporation (Techimport), with an active role played by the Ministry

which will operate the plant. But one of the frustrations is the difficulty of knowing precisely where the decision-making authority rests.

Major purchases of foreign technology have to be approved by the State Planning Commission and it is at that level that some companies have directed their lobbying efforts.

It is difficult to tell from job titles what authority a particular Minister or official may have. Even after the contract has been signed the contractor finds the number of agencies involved somewhat bewildering. "We are introduced to the director of this or that corporation or bureau, but we are never quite sure where he fits into the hierarchy or who his boss is—and we doubt whether the Chinese do either."

When work on the contract begins companies have to be prepared for far more detailed discussions than they would expect in the U.S. "They hire you for your technical know-how, but you still have to prove the validity of your technical proposals," says Mr. Les Trew, project director for Kaiser Engineers, which is providing engineering services for a big iron ore project at Sijiaoyang in Hebei province. "Review meetings which take two-three days in the U.S. may take at least three weeks in China. They are attended by hundreds of engineers who are very knowledgeable and want a full explanation."

Mr. Trew comments that although some of these engineers "know more academically than I do" about ore benefication, they have had no practical experience of the processes or the equipment. "They

are taking a quantum leap in technology."

In implementing projects companies may have to contend, not only with the bureaucracy, but with the deficiencies in China's infrastructure. Transporting heavy chemical plant into Shanghai, by barge up the Yangtze and then to a remote site where the utilities and housing are being created from scratch—that is a formidable undertaking and even the Chinese may underestimate the difficulties. Scheduling problems can be aggravated by the failure of Ministries to co-ordinate their respective roles.

For the foreign engineer who stays on the site for months China has to be regarded as a hardship post. In one major contract the foreign technicians were allowed one week's rest and relaxation in Hong Kong every six months—more onerous conditions than are normal in, say, the Middle East. The sense of isolation is greater in China, where the Chinese engineers and managers, though always considerate and courteous, are discouraged from mixing socially with foreigners.

Aspect

Another aspect of the isolation is that contractors are given no more information by the Chinese than is necessary to carry out their particular contract: there is no general gossip about what other companies are doing or about the state of the industry. (Some foreign companies are not unhappy about this, since they can be sure that their own commercial and technical information is not being passed on to anyone else.) When companies send negotiators and technicians out to China, they have to be sure that they are temperamentally as well as technically qualified for the job.

Normal office accommodation in Peking is not available, but a

G.O.

Derby & Co. Ltd.



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METALS MINERALS ORES CONCENTRATES
PETROCHEMICALSMOOR HOUSE 119 LONDON WALL
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Cables FLAIVET LONDON EC2

Cutting through the red tape

JOINT VENTURES

ONE ELEMENT in Lenin's New Economic Policy in the early 1920s was the attempt to enlist the aid of foreign capital through joint ventures, in the development of the Soviet Union's raw materials and in the manufacture of industrial and consumer goods which the country needed. Although the policy was not successful and few agreements with foreign companies were concluded, Lenin's example provides a partial ideological justification for China's new law on joint ventures, adopted by the National People's Congress last month. Whether the law will have any more lasting consequences than the Soviet decree on foreign concessions, passed in November 1920, should become clear over the next few months.

China's law provides that foreign companies will be able to set up limited liability companies jointly owned with Chinese enterprises, subject to authorisation by a new body, the Foreign Investment Control Commission; another new body, the China International Trust Investment Company, will co-ordinate the use of foreign investment and technology. The foreign partner will normally hold not less than 25 per cent of the capital (no upper limit is stated) and he may contribute "cash, capital goods, industrial property rights, etc." as his investment in the venture. The foreign technology or equipment has to be "genuinely advanced and appropriate to China's needs."

A joint venture equipped with up-to-date technology may apply for a reduction of, or exemption from, income tax for the first two or three profit-making years." If the foreign partner reinvests his share of the profit in China he may apply for a partial rebate on income taxes paid. The law provides for the remittance overseas of profits and of salaries earned by foreign employees in the joint venture. As for the management, the Chinese partner will appoint the chairman and the foreign partner one or two vice-chairmen.

The law on joint ventures is a logical development from other forms of co-operation with foreign companies which have been put into operation over the past two years and particularly since the spring of 1978; all these arrangements are designed to permit the introduction into Chinese industry of foreign equipment and knowhow in a way which minimises the expenditure of hard currency. The simplest form is processing on consignment, whereby a foreign company supplies raw materials to be processed in China for a fee. In product buy-back or compensation trade agreements

the foreign partner supplies capital equipment which is paid for in goods manufactured by that equipment.

For example, in August last year Itoman, a Japanese trading house, signed a deal with the National Textile Import and Export Corporation whereby it would supply 100 modern sewing machines and 15 technicians and receive in return 300,000 suits of pyjamas and a certain number of blouses every year for five years. Cotton will be purchased in China and the garments will be sold under Itoman's brand name; the production in China will replace part of Itoman's supplies now obtained from South Korea and Taiwan.

About a score of other Japanese companies have made similar arrangements, mostly in textiles and garments but also covering electronic products such as digital watches. Companies in Europe and the U.S. have also made compensation trade agreements, but the most active have been Chinese entrepreneurs based in Hong Kong, whom China provides as a much-needed source of cheap labour and land. There are thought to be between 400 and 500 companies which have either started production in China on the basis of compensation trading or are negotiating to do so. Most of these projects are very small, employing on average between 30 and 70 people, and there is a natural preference for the Shenzhen area just across the border from Hong Kong.

Discussion

Compensation trade may be used as a means of financing major investments in new mines for coal, iron ore and non-ferrous metals; proposals for bauxite development and aluminium smelters are believed to be under discussion along these lines with European and American companies. But the joint venture formula seems intended by the Chinese authorities for a different purpose—to inject foreign technology into manufacturing industry, particularly but not exclusively light industry.

Vice Premier Gu Mu told us in an interview that joint ventures would be especially welcome in such fields as electronic instruments, meters, digital watches, computers and domestic appliances. One proposal which was well advanced even before publication of the law is for the manufacture of tape recorders in Shanghai by a Japanese company, Toho Denki. This proposal, which was negotiated with the China National Light Industrial Products Import and Export Corporation and the Shanghai Electronic Equipment Industry Corporation, provides for production to be split equally between exports and domestic sale.

Although levels of technology are relatively low there is a substantial electronics industry already in existence in major

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27/01/80

A readjustment of policy

CHINA'S TRADE is one sector of the economy which so far shows no signs of the effects of the "readjustment" policy introduced last February. Total of the economy which so far came to \$12.4bn (converted at \$1 = yuan 1.72), over 40 per cent up on the corresponding period last year and well on the way to reaching the planned figure for the year of \$27bn.

Last year's total was \$20.6bn, over 30 per cent up on 1977, as much as the overall percentage increase expected this year. The target for imports for 1979 is 32 per cent and for exports 15 per cent, which both seem almost certain to be reached.

Peking will clearly have a deficit on trade this year as it did in 1978. Last year, however, the overall balance of payments (which includes invisibles like tourism and, most valuable of all, remittances from expatriate Chinese to their families in China) was favourable. With the gap between exports and imports growing bigger all the time, this seems unlikely this year, but Peking will probably fund this out of its commercial borrowing.

After many months of speculation, Peking has this year concluded approximately \$26bn in foreign credits, of which about \$3bn is in commercial loans from Western banks. The total includes about \$10bn from Japan, of which \$2bn was a commercial loan thought to have been used to finance Japanese plant purchases. So far, it is believed, there has been no drawing on the other credits.

In contrast to last year, when the Chinese almost signed more contracts than they could actually afford, a much more carefully planned trade programme is now under way. The "re-adjustment" not only called for reductions in capital construction at home but froze all the negotiations the Chinese were involved in abroad. Since then the credit agreements have enabled the Chinese to go ahead with the purchases from Japan, and the continuing travels of Chinese delegations to Europe suggest that in due course at least some of the schemes previously under discussion will go ahead.

But while the foreign exchange shortage was the

MAIN TRADING PARTNERS 1978

	(Sm)	Exports to	Imports from	Total
China	3,049	2,030	5,079	
Japan	995	367	1,362	
W. Germany	824	324	1,148	
Australia (11 mos)	456	129	585	
USSR	255	271	526	
Canada	442	83	525	
France	197	227	424	
Italy	188	199	387	
Britain	175	212	387	
Netherlands	132	125	257	

immediate reason for the freeze, there were other and more profound reasons, such as China's inadequate infrastructure and its lack of technicians. These will take much longer to solve than the money problem, and it may be that countries other than Japan will have to wait some time.

Escalating

The rapidly escalating trade figures of this year are the outcome of orders placed last year, and though no breakdowns of statistics are yet available, it seems likely that the flow of Japanese and West German steel and equipment, plus the substantial orders for grain have helped to swell the total. For mining equipment alone the Chinese last year placed orders worth \$1bn, \$500m from West Germany and \$200m from Britain.

Last year the Chinese were discussing with Western companies purchases of power equipment, steel plant, railway lines. Almost all the Western countries were involved, including the U.S., although it then lacked diplomatic relations. Some large contracts have been signed with Japan and Germany the main beneficiaries, but many others have been deferred.

"Readjustment" meant a reversal of trade priorities. Alarmed by the costs of investment in heavy industry and the long period needed to bring new equipment into production, the Chinese announced a new policy of agriculture first, but closely allied to light industry development since much of the

raw materials for it comes from agriculture. Light industry argued the Chinese, is quick and cheap to set up, provides consumer goods for the home market and exports to earn foreign currency.

Thus they are now focusing on stepping up light industry exports and importing light industry equipment. This they plan to do either through joint ventures or compensation trading, both of which mean considerable saving of foreign exchange. However, compensation trade has not proved attractive to potential suppliers of heavy industrial equipment.

The Chinese themselves are uncertain about how quickly trade can be increased, especially though it is for China's modernisation. It seems unlikely that this year's rise could be anything like maintained, though some officials talk about a 20 per cent growth (10 per cent in real terms) over the next few years. Researchers in the U.S. Commerce Department have suggested a possible average growth of 20 per cent for imports and 12.5 per cent for exports up to 1985, with a debt for that year's end of \$26bn, which would fit with what the Chinese have actually acquired in credits. This scenario also postulates a 10 per cent growth in invisibles, rising through 15 per cent in 1981-82 to 20 per cent for 1983-85.

As far as imports are concerned, the Chinese problem will be to hold them down. They are unlikely to be able to afford to allow them to continue at this year's rate of growth of 33 per cent. Grain imports are already at an all-time high at a reported 12m tonnes. Yu Qiuji, the Planning Minister, said in his National People's Congress

report in June that imports of technology and equipment would this year be 220 per cent up on last year and would cost nearly \$3bn. Such a rate of increase will manifestly have to be slowed.

This the Chinese evidently plan to achieve by spacing out their requirements over the next few years, cutting out some of their projected steel industry development. It seems unlikely that the pattern of imports will change much from recent years, the last year for which a breakdown is available (1977) shows foodstuffs (mostly grain and sugar) at 17 per cent, industrial supplies (chiefly steel at 22 per cent) at 65 per cent, and capital goods 18 per cent.

But increasing exports will be the main headache. In 1977 38 per cent of exports were agricultural, and a further 16 per cent textile yarn and fabric. Oil accounted for 10 per cent, and clothing, footwear and other light manufactures together for 20 per cent. What are the prospects for pushing up these items, or adding new ones?

Agricultural products — frozen rabbit, for example, or canned fruit — will do all right if the Chinese provide (as they

are now doing) incentives to the peasants and improve their overseas marketing. As to oil, the Chinese need it themselves and unless they are very lucky are unlikely to have a surplus except for sale to Japan, to which they are already committed to the level of 15m tonnes annually by 1985.

For textiles they have secured a more generous quota agreement with the EEC and hope to do the same with the U.S. They plan to market their light manufactures more aggressively in the West, starting with an export delegation to Europe this autumn which will seek professional marketing advice. They hope in due course to push up their exports of metals and minerals (in 1977 only 2 per cent of the total) but this will need heavy investment first.

China has already increased

its formal trade links substantially.

Last year it signed long-term agreements with Japan

and the EEC, and since then

Britain, France, Italy and the U.S.

have signed individual trade pacts (though the U.S.

one has yet to be passed by Congress).

Most growth seems likely to occur in trade with the U.S., where the Chinese have barely started to buy industrial equipment, and where possible tariff

changes will mean the Chinese can sell more. Japan is already well ahead of the field because of its proximity and special links, but the Chinese will certainly spread purchases around for strategic reasons. Of the European countries, West Germany seems likely to maintain its huge lead over France, Britain and Italy.

When the next round of

Chinese buying begins, the picture may change somewhat as

Peking has invited tenders for

the same plants from different

companies and countries and

there is no indication yet as to

which is favoured. As the

financing is becoming increas-

ingly complex, the Chinese are

finding it more and more

difficult to compare prices. One

factor that should not be for-

gotten is the role of the Soviet

Union, last year well up in the

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It could well resume playing a

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Time to draw breath

CHINA-JAPAN TRADE

	Chinese exports	Chinese imports
1975	4,531	2,259
1976	1,371	1,653
1977	1,547	1,938
1978 (January-June)	2,030	2,052

THE LONG-TERM TRADE AGREEMENT

Period	February 1978 version	March 1979 revision
Value	\$26bn in two way trade	Extended to 1990
Items	China to export coal and oil	\$40bn in two way trade (to be decided)
	Japan to export plant, technology, construction materials	Unchanged

CHINESE EXPORTS (in tons)

	Oil	Coking coal	Steam coal
1978	7.0	0.15-0.3	0.15-0.2
1979	7.6	0.3	0.15-0.2
1980	8.0	1.0	0.5-0.6
1981	9.5	1.5	1.0-1.2
1982	15.0	2.0	1.5-1.7

(Post-1982 volumes to be decided by the end of 1981)

Companies were studying the Chinese law intensively in early July and early August; but initial reactions to it were not especially favourable. It was being noted in Tokyo that the law left a notable number of questions unanswered about the terms on which foreign companies would actually operate (patent and taxation) questions were among those which seemed to worry the Japanese side most). Uncertainties like these could raise legal problems for Japan's own foreign investment approvals procedure, which requires itself about the basic conditions likely to affect the profitability of a proposed overseas investment venture before

granting "automatic approval" for an investment application.

Japan's doubts about the Chinese joint venture proposals could turn out to be similar to the doubts of its banks about Chinese loan requests—in other words, the Japanese will definitely not stand aside if others decide to go in. However, it does seem likely that Japan will take its time before committing itself to the large-scale ventures in which the Chinese seem to be interested (for example, in the motor and electronics industries). While it hesitates there could be some loss of momentum in the development of two-way trade.

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A taxing overhaul for company cars

BY DAVID WAINMAN

THE "PERKS" of a company car and free petrol on the company are under question by the Inland Revenue. Question is, in the narrow sense, a more accurate word than challenge: the Revenue has merely issued a discussion paper, asking for taxpayers' comments. But it is clear that change is on the way.

There are five areas in which comments are requested:

- Whether, and when, the scale rates could be adjusted to more realistic levels. These would quantify the amount upon which the greatest proportion of company directors' perks—the higher paid are taxed in respect of the benefit described as the availability of a car for private use. And the Government specifies that the way in which the scales differentiate small cars from the more expensive ones is also under examination;
- How petrol could better be taxed. The Revenue acknowledges that the present state of the law is uncertain, even though it may have its own views of the effectiveness of arrangements involving company pumps, accounts with garages, credit cards and other similar schemes. It indicates that it would be a prerequisite of any new arrangement devised that there should be a further tax charge where the employee received without cost not only the car, available for private use, but also the petrol so consumed.
- Whether other changes should follow: for instance, could there be changes and simplifications in the present special rules for those whose business use of their cars is only very small, and also for those who drive more than 25,000 miles per annum on business?
- Should all of these changes apply also to taxpayers earning less than £8,500 per annum as well as to directors and the higher paid? Broadly speaking, benefits not capable of being turned into cash have always escaped tax in the hands of those earning less than the threshold figure at which this part of the tax legislation begins to bite;
- Whether tax should be paid under PAYE, weekly or monthly, on whatever figure is determined to be the benefit—and here it is suggested that instead

of the Revenue achieving this by building some estimated figure into the employee's "coding" at the beginning of the year, the onus should be put on to the employer to deduct tax by reference to the actual benefit received by each employee in the week or month concerned, thus taking into account any change in the car available to him, or in his use of it.

The Revenue was already concerned, before 1976, at the administrative load created by taxing directors and the higher paid on the running costs of the car and on its "annual value," then taken to be one eighth of its cost. But the tax charge was only on a proportion of running costs and annual value—the proportion of private mileage to total mileage.

Revenue guess on benefit

A computation was therefore required from every user of a company car every year. It was impossible in advance of this for the Revenue to do more than guess the level of benefit. And it was clear also that the Revenue thought that the figures, when it obtained them, were no more satisfactory as a basis of taxation than its earlier guesses. It depended upon the taxpayers' accuracy in reporting private mileage, an area in which amnesia often seemed to be thought acceptable by those taxpayers. There was one reported case of an individual being jailed for misstating the private usage of his car, but the Revenue was unhappy about its ability to enforce the law. And taxpayers generally thought both the law itself, and the Revenue's operation of it, disreputable.

In 1976 Mr. Joel Barnett, then Chief Secretary of the

TAX AND THE COMPANY CAR			
Revenue recalculation based on AA figures for 1979 with running costs for 8,000 miles			
Present scale benefit			
up to £8,000:			
1301-1800 cc	190	594	
Over 1800 cc	250	695	
	380	1,044	
Cars with an original market value over £8,000:			
Costing between £8,000 and £12,000	550	1,732	
Costing over £12,000	820	2,417	

Treasury, repealed the existing benefits legislation and substituted completely rewritten provisions: new might not be as accurate a description.

The basic framework survived. Only company directors and those earning over £5,000 (now £8,500) per annum were within these special provisions. Cash paid to them as reimbursement of expenses was to be taxed, and so also were non-cash benefits provided. In this latter case, it was the cost to the company which was taken to be the measure of the employee's benefit. The company's "annual cost" where the benefit consisted of allowing an employee to use an asset which remained its property required definition, and it is in this area that the rules for cars were significantly altered.

It continued to be recognised that employees made taxable on all of these reimbursements and benefits could still claim, *rata-tis*, the Inspector of Taxes, that the expenditure had been incurred wholly, exclusively and necessarily in the performance

of their duties. And where the employer made available one of his own assets partly for business purposes, it also continued to be recognised that the employee should pay tax only on the remaining proportion—the amount which directly benefited him.

Before the 1976 provisions

This last had been the principle upon which all company cars had been taxed until 1976. It continued, with one minor change, to be the basis thereafter for cars the business use of which was insubstantial, taken to be 10 per cent of total use. The employee is, in this case, currently taxed on the private mileage proportion of running costs borne by the employer and on the original value which is taken to be 20 per cent of the car's original cost, without regard for mileage, until the car is four years old, and 10 per cent thereafter.

For the great majority of cars, however, the 1976 legislation adopted a very different approach. Both annual value and running expenses were wrapped into a prescribed scale figure which was to be the sum upon which the employee was to be taxed—without regard to business or private mileage. The legislation made it clear that it was the availability of the car for private purposes which was to be taxed, not its actual use.

Ingrained in the mind

But even here the concepts of business mileage were so ingrained in the Revenue's thinking that it made an exception for the employee who covered more than 25,000 miles per annum on business. He pays tax on only one half of the scale figure.

Where the Revenue is now admitting that a slip-up occurred was in the fixing of the scale rates. The figures were based on estimates of one half of the standing charges and on running costs for 5,000 miles. The former included road fund licence, insurance, depreciation and interest on capital. The latter comprised repairs, servicing and tyres, but excluded petrol or diesel fuel, because, as the Revenue now makes clear, very few employers were then providing free petrol to employees.

At the instance of the motor manufacturers all of the proposed scales were substantially cut back before the 1976 Finance Act was passed into law. This was preferable, for those with low business mileage in particular, to have a company car rather than to use their own cars and claim a mileage allowance. This could well now reverse.

Pay restraint is over, at least for the present. Tax rates have been substantially cut. The Government thinks it propitious to question, and by implication to discourage, "perks." In the context of the present energy crisis, private motoring without apparent cost or tax penalty to the motorist is an explosive process as putting the petrol concern onto a bonfire. Small wonder the Revenue would be less embarrassed if the system could be changed.

First areas of attack

Cars and petrol were the obvious first areas of attack. The second and subsequent are more difficult. Season tickets? Perhaps, but this is a perk which few employers are thought to be providing: The inequity between employees living close to their work and those further out is too apparent. Free or subsidised mortgages?—again, perhaps, but Mrs. Thatcher has firmly committed her party to the continuation of tax deductibility of mortgage interest, so that declaring the benefit taxable would seem to give a mirror image increase in the employee's deductions.

The Pay Board never fully accepted the Revenue's measurements of car benefits as appropriate for pay restraints purposes—but many employers took it to be so. And the growth in the numbers of company cars was accordingly unrestrained. It was preferable, for those with low business mileage in particular, to have a company car rather than to use their own cars and claim a mileage allowance. This could well now reverse.

And will the Government review the perk which is so valuable that few people even recognise it as such: the tax deductibility of pension contributions, and their tax-free build up in the trustees' hands from them until they re-emerge as payments of pensions?

Today's Events

UK: Confederation of Shipbuilding and Engineering Unions calls national one-day strike over pay and hours.

Post Office group executive of the Society of Civil and Public Servants meets to consider pay proposals.

Industrial civil servants' unions joint meeting to discuss possible industrial action.

Postal rates rise—for inland letters (up to 60 grams) to 10p (first) and 8p (second).

Mr. Norman Lamont, Parlia-

mentary Under-Secretary for Energy, visits UKAEA works at Windscale and Calder Hall, Cumbria.

Largest improvement action campaign in the North-West, aimed at improving the environment of Greater Manchester, announced.

First train leaves King's Cross on new Flying Scotsman service to Edinburgh—scheduled to take 4 hrs 31 mins.

The Edinburgh International Festival opens (until September 8).

Third International Conference on the Mechanical Behaviour of Materials opens at Cambridge (until August 24).

Overseas: Mr. Charan Singh, India's Prime Minister, faces vote of confidence in Parliament.

UN conference on science and technology for development, Vienna (until August 31).

World Enterprise Yachting championships, Sligo, Republic of Ireland.

Official Statistics

Balance of payments current account and overseas trade figures for July.

Construction—new orders (June).

COMPANY RESULTS

Final dividends: Nolton Interim dividends: Charles Blagden and Noakes (Holdings).

COMPANY MEETINGS

See Financial Diary on page 16.

LUNCHTIME MUSIC, London

Piano recital by Geoffrey Saba.

St. Lawrence Jewry next

Guildhall, 1 pm.

Organ recital by David Poulter.

St. Michael Cornhill, 1 pm.

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New Tap Stock

From Mr. A. Hughes

Sir.—We were told, at the time of the June budget, that the accompanying rise of 2 per cent in minimum lending rate to 14 per cent was, hopefully, to be short-lived. This hope seemed to be reinforced a little later when the Government was leaning on the building societies to persuade them to defer their necessary increases in mortgage rates until January 1, again the indications being that MLR might well be reduced, this increase might not be necessary.

I am accordingly surprised, therefore, at the issue (August 15) of the Tap Stock of £10 at 11 per cent. The previous Tap of £15bn, was suddenly sold out last week, so that the Government coffers were awash, or would shortly be so, with enough money to cover the borrowing requirement for at least a few weeks. If so, why this rush to borrow more money now?

Of course, if someone in Government circles fears or knows that MLR, far from going down, may have to increase further, that would explain any anxiety to borrow more now, before rates rise. Putting that unworthy thought aside, however, I must ask why the Government broker did not elect to wait a short while for the expected fall in MLR to materialise, thus enabling him to turn saving me, and other happy taxpayers, a considerable amount of future interest.

Alan P. Hughes,

136 Northgate Avenue,
Croydon, Surrey

Obtaining power

From Mr. E. Fornell

Sir.—When I was at Cambridge in the very early 1930s I read history and recall attending lectures on a subject known as "Political science."

One of the examples discussed by the lecturer was the newly created constitution of Italy by means of which Mussolini obtained and retained power.

My recollection is that the peculiarity of that constitution, to which students' attention was drawn, was the election of the Government by the Party.

I have been waiting for some student of political science to write authoritatively in the Press comparing or contrasting (as the case may be) Mr. Bourne's recent suggested constitutional proposals with the constitution of Italy in pre-Second World War days and speculating on the consequences likely to flow from such proposals if adopted.

E. H. Fornell,
23 Bayley Lane,
Corby.

The Labour Party

From Mr. V. Finlayson

Sir.—Further to your recent excellent editorial on the necessity for a thriving Labour Party, you comment further on Labour Party democracy on August 15.

In as much as many members of the Tribune Group support Jim Callaghan, the issue is not one of so-called Left-Right

UK COMPANY NEWS

Dunbee-Combex may hive off DIY side

Dunbee-Combex-Marx, the toy group whose profits fell sharply last year, is considering breaking off its toy-making activities. An announcement is expected to be made at today's annual meeting. The company's DIY activities brought in trading profits of around £1m last year on sales of nearly £20m and their flotation would enable the group to raise necessary capital.

Mr. Richard Beecham, the joint managing director, declined to comment at the weekend, other than to say that "any statement we have to make will be made at the annual meeting."

On Friday, it was announced that Dunbee would be sending its shareholders a new set of 1978 accounts because errors had been found in the original version. These stemmed from the incorrect consolidation of subsidiaries, although net worth and the results are unaffected by the change.

Dunbee's pre-tax profits slumped last year from £8m to £1.3m, with severe losses occurring overseas, chiefly in the U.S., but also in West Germany and Australia.

BOARD MEETINGS

The following companies have notified dates of Board meetings to the Stock Exchange. No date means no date has been fixed or no date of considering dividends. Official indications are not available as to whether dividends are proposed. The date of the next dividend is shown below as based mainly on last year's timetable.

TODAY

Intertel-Carrier Saynes, Blagdon and Haskins.

FUTURE DATES

Internat. P. C. Board	Aug. 20
Eurocable Ltd. Mktg.	Aug. 21
Investment Trust of Guernsey	Aug. 22
Lambert Howes	Aug. 21
Union Corporation	Aug. 28
Christy Brothers	Sep. 4
Invest. & Investors	Aug. 22
Seafarm Electrical	Sep. 1
Amendex	Aug. 22

Because of the rapid growth of its toy business, Dunbee has not pressed ahead with the expansion of its DIY and industrial division, for which prospects were described as "encouraging" in the annual report.

Early last year, it acquired the

shares of DIY wholesale cash and carry centres, the largest in the country. It is not thought that Dunbee intends to float off any of its other activities, and there are no plans to sell the Louis Marx operations in the U.S., despite the company's recent difficulties there.

Spillers Board says wait

Spillers has followed up its immediate rejection of last Friday's £7.3m bid from Delgetty with a letter to shareholders in which they are "strongly advised" to take no action until they have had their directors' comments.

The letter again says that the Spillers Board feels the offer is "unlikely to be advantageous to the company, its shareholders or its employees".

Mr. Michael Vernon, the chairman, said the Board would present its opinions after the formal offer documents have been received.



Ashley Ashwood
Sir Lindsay Alexander, chairman of Ocean Transport and Trading, which is tomorrow due to announce interim results for 1978.

Airfix sees upturn

Airfix Industries has a satisfactory order book and those subsidiaries with production are improving their performances, says Mr. Ralph Ehrmann, the chairman, in his annual report. He adds that he believes the group is in a good position to deal with any problems, and should show considerable progress in the coming year. The chairman expects turnover to increase again, and he hopes margins will improve.

In the year to March 31, 1978, the company's taxable profits declined from £2.68m to £1.52m on sales ahead from £28.9m to £23.3m.

Mr. Ehrmann adds that two new export companies Crayone in Frankfurt and Crayone in Milan have been set up as part of their policy of product innovation and improving marketing efforts, especially overseas.

The loss at Meccano last year remained at an unacceptable level and further steps are being taken to accelerate the improvement of sales and production.

Airfix Footwear had an unsatisfactory year, says Mr. Ehrmann. Its losses were £205,000. However, current results show that the rationalisation policy will solve the problems, he adds.

Net current assets are shown as £16.8m (£14.1m). There was a net increase in bank overdraft and cash of £3.9m (£1.8m).

Meeting, company's offices, Old Court Place, W, on September 18 at noon.

SECOND BID FOR EDINBURGH ICE RINK

Edinburgh Ice Rink was on the receiving end of a second bid yesterday, with Glasgow Leisure offering a total of £211,000.

The bidding company is controlled by Mr. James Glasgow, a businessman who has built up a 35.7 per cent stake in the Edinburgh company and owns curling rinks in the west of Scotland.

The insurance cover placed by Exco-Sure at Lloyds will cover exhibition or conference organisers, promoters and individual exhibitors, in one policy, for the insurable losses likely to occur including their contractual liabilities to hotel or venue owners.

Exco-Sure, based in Strewsbury, is 70 per cent owned by London Consolidated Gold Fields group. Total purchase price is £86.5m (£3.3m) with an additional £250,000 for the purchase of certain equipment shares.

AMC already has large reserves of rutile, ilmenite and zircon in Australia and the Jennings deal is regarded as a significant step towards rationalisation of the Eneabba field—a major supplier to the world pig-ment industry.

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Companies and Markets

Wheelock earns and pays more

BY PHILIP BOWRING IN HONG KONG

WHEELOCK MARDEN and Co., the large Hong Kong property, shipping and retail group, increased net profit before extraordinary items by 42 per cent to HK\$122.3m (US\$23.7m) in the year ending March 31. The final dividend has been increased by 1.5 cents to 15 cents, making total for the year, including a 2.5 cents bonus dividend also, paid the previous year, of 2.5 cents against 17 cents for 1977-78. Extraordinary gains of HK\$2.8m were also recorded, down from the previous year's HK\$10.3m.

No prognosis for the current year was given, but with local consumer demand continuing at least for the time being at a high level, the group's 53 per

INTERNATIONAL COMPANIES and FINANCE**Exxon delays decision on Reliance Electric offer**

BY STEWART FLEMING IN NEW YORK

EXXON CORPORATION is a share offer, will be able to delay a decision on whether withdraw their shares from August 20, however.

At a court hearing on Friday into a Federal Trade Commission request for a preliminary injunction against the take-over, District Court Judge John Pratt said that Exxon can buy the shares.

But Judge Pratt also ordered Exxon not to take any action which would impair its ability to comply with any order which the Commission may issue requiring it to divest its stock ownership of Reliance or its business and assets of Reliance or to divest Reliance as a separate entity.

Shareholders, who have already tendered about 95 per cent of Reliance stock to Exxon in response to the company's \$72

requirement for Exxon to maintain Reliance as a separate entity will stay in effect until he decides whether it would be anti-competitive if Exxon acquired these operations, and also granted non-exclusive licences to companies to make an alternative current synthesizer.

Exxon announced its plans to acquire Reliance in May, saying that it needed to undertake the acquisition in order to exploit its new technology, the alternating current synthesizer. The development, which economies on power in electric motors, would save the U.S. energy equivalent of 100 barrels of oil a year by the 1990s if widely employed.

The Judge said that the

Surprise terms for Argentinian loan

By Rosemary Burr

ARGENTINA'S oil firm Yacimientos Petroleros Fiscales (YPF) has asked a group of six banks to raise a ten-year \$250m loan. The spread is 1 per cent throughout with a five years grace period.

The terms on which the main date was awarded have come as a surprise to most bankers in the market. Recently the Argentinians have been pressuring banks to extend the maturities of the country's credits to 15 years. However, market resistance to 15-year Argentinian paper and the growing difficulty for banks of placing even 12-year credits is believed to be behind this latest move back to shorter maturities.

The deal is being led by Lloyds Bank International (coordinating and running the books), Citibank (agent), Credit Lyonnais, Dai-Ichi Kangyo, Mitsubishi Bank and Swiss Bank Corporation. The funds will be used to restructure the firm's existing short-term debt.

• Eurodollar certificates of deposits issued by British-based banks rose \$1.97m in the month to July 15 to a record \$2.25bn, according to Bank of England statistics.

Simultaneously, Eurocurrency deposits, including Eurobonds, of banks in Britain rose \$1.2bn in the same period to \$23.57bn, after interbank deposits with other banks had been subtracted. So far this year Eurocurrency deposits have risen by 13.7 per cent or \$30.6bn.

This increase has probably resulted from a rise in deposits by oil-exporting countries following the increase in oil prices this year, analysts suggest.

So far this year Eurodollar CD issues have risen by \$4.4bn or 15.8 per cent.

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RECENT ISSUES

Issue Price per unit	Amnt Paid Up	Units Outstanding	Rating	1979 High	Low	Stock	Globus Index	+ or - in 1979	Amnt Outstanding	Rating	Stock	Globus Index	+ or - in 1979
** F.P.	246/9	75	60	52.6	2.5	Arrow Chemicals	72	+5.2	1.1	4.0	55.5	72	+2.9
** F.P.	268/1	88/1	88	52.6	1.1	Barlow Ridge	86	+1.1	4.2	5.2	58.2	86	+7.8
** F.P.	277/1	102/1	95	52.6	1.1	Fairline Books	120	+1.1	5.2	5.2	58.2	120	+7.8
** F.P.	321/1	124/1	124	52.6	1.1	First National House	150	+1.1	5.2	5.2	58.2	150	+7.8
** F.P.	1018/3	37	26	52.6	1.1	Mettu Dist.	150	+1.1	5.2	5.2	58.2	150	+7.8
** F.P.	—	37	30	52.6	1.1	SL George Assets/Op	37	+1.1	5.2	5.2	58.2	37	+7.8
** F.P.	—	194	194	52.6	1.1	Standardized Asbestos	194	+1.1	5.2	5.2	58.2	194	+7.8

FIXED INTEREST STOCKS

Issue Price per unit	Amnt Paid Up	Latest Rating	Stock	1979 High	Low										
** F.P.	21/9	87	68	Aurora B's Conv. Cum. Pref.	87	87	Bank Prop. 101c Cum. Pref.	103	103	Bank Prop. 101c Cum. Pref.	103	103	Bank Prop. 101c Cum. Pref.	103	103
** F.P.	24/8	101	101	Bank Prop. 101c Cum. Pref.	103	103	Barlow Ridge	86	86	Barlow Ridge	86	86	Barlow Ridge	86	86
** F.P.	27/1	102	95	Barlow Ridge	86	86	Fairline Books	120	120	Fairline Books	120	120	Fairline Books	120	120
** F.P.	28/1	124	124	Fairline Books	120	120	First National House	150	150	First National House	150	150	First National House	150	150
** F.P.	—	90/1	90/1	Do. 124c 2nd Mort. Deb. 85-90	90/1	90/1	Do. 124c 2nd Mort. Deb. 85-90	90/1	90/1	Do. 124c 2nd Mort. Deb. 85-90	90/1	90/1	Do. 124c 2nd Mort. Deb. 85-90	90/1	90/1
** F.P.	—	99/1	99/1	Do. 124c 2nd Mort. Deb. 85-90	99/1	99/1	Do. 124c 2nd Mort. Deb. 85-90	99/1	99/1	Do. 124c 2nd Mort. Deb. 85-90	99/1	99/1	Do. 124c 2nd Mort. Deb. 85-90	99/1	99/1
** F.P.	—	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8
** F.P.	—	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8
** F.P.	—	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8
** F.P.	—	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8
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** F.P.	—	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8
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** F.P.	—	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8	Do. 124c 2nd Mort. Deb. 85-90	101/8	101/8</

INSURANCE

APPOINTMENTS

WORLD STOCK MARKETS

Assistance business brought into the net

BY OUR INSURANCE CORRESPONDENT

BRITISH INSURERS in the past decade have had to accept an increasing degree of supervision, stemming from motor insurance failures 10 years ago, from more recent difficulties of some of the smaller newer life offices, and from Britain's membership of the Common Market. This process is by no means complete.

In July, 1973 an EEC directive, known as the non-life establishment directive, which deals with the co-ordination of laws, formulated regulations and administrative provisions relating to the taking-up and pursuit of the business of direct insurance other than life

From time to time the EEC supervisory authorities discuss how directives are operating and whether amendments are needed. In February this year they decided that a working paper should be produced on the introduction of a new class of insurance to be subject to the 1973 directive.

This new class would include what is called "assistance" business so that organisations providing assistance services would be brought into the insurance supervisory net even though they might not at present be considered to be insurers in the countries where they operate.

What then is "assistance"? Perhaps the best example here is the kind of protection provided principally by the AA and RAC in respect of breakdown from the motorists' point of view. The AA "Relay" and the RAC "Recovery" schemes are scarcely distinguishable in character from other personal insurances. The member pays a premium for promised protection and gets a contract.

But the essential difference between AA/RAC schemes and comprehensive motor and household policies is that the former are run by two motoring organisations—without the backing of the insurance market from the ground up—while the latter have to be provided by authorised insurers.

In Britain there are a number of non-insurance organisations providing "assistance" for members and others principally in connection with motoring or tourism. On the Continent

many more, all of widely differing types, provide a whole range of services.

The present notion is that each national supervisory authority should decide whether any particular "assistance" scheme should be counted as insurance within the proposed legal definition. Apart from making an objective assessment of each scheme, in borderline cases the determining factors might be the scale of operations and the degree of competition with traditional insurance. However, it is not at present contemplated that manufacturers' warranties of maintenance contracts should be caught in the net.

Any assistance organisation caught by the proposed amendment to the directive would have two options. One would be to find an insurance carrier for its scheme and bring members and insurers together under some kind of group contract—perhaps an unattractive proposition as this would eliminate the organisation's direct interest in the provision of assistance while insurers would have first call on any profit that might accrue.

The alternative would be for the organisation to comply with all the appropriate detailed rules for authorisation as an insurance company, get authorisation and continue in business as before. That would be satisfactory for an organisation supplying only assistance, but not so good for one providing assistance as one of several activities.

In the latter case it would have to hive off its assistance scheme from the rest in order to get the necessary insurance authorisation. Thereafter the two distinct parts of the organisation's activities would have to stand on their individual feet for profit-and-loss purposes.

Mr. F. W. Anderson has been appointed chief insurance manager of BRITISH AEROSPACE and becomes a director of British Aerospace (Insurance) and British Aerospace (Insurance Brokers).

Mr. Michael Leedham has joined DIETICKER METALS (UK) as managing director. Previously he was director and commercial manager BICC Metals.

Bir. W. H. Forsey has become chief general manager of THE

APPOINTMENTS

Senior post at NatWest

Mr. Ben Boult, Southampton and Channel Islands area director of NATIONAL WESTMINSTER BANK, has been appointed Nottingham area director. He succeeds Mr. John Milton, who is retiring at the end of August. Mr. Ray Jones will become Southampton and Channel Islands area director.

Mr. T. Sanders has been appointed a director of TULLETT AND RILEY INTERNATIONAL. Mr. J. Jones and Mr. S. Wippen have been appointed directors of Tullett and Riley (foreign exchange) Co. These appointments take effect from September 1.

Mr. Bryan Littleland has been appointed group accountant for the ERYTRO HIRE GROUP.

Mr. Peter Williams has been appointed general marketing manager responsible for micrographic and business communication products groups in the business products division of 3M UNITED KINGDOM.

Mr. W. K. Gibson, senior group industrial relations officer of Westminster Press, has been appointed assistant general manager, YORK AND COUNTY PRESS, York (a division of Westminster Press).

Mr. T. J. Donovan and Mr. A. J. Ramsdale will join the partnership of COLBURN, FRENCH AND KNEE on September 1. Mr. P. N. Hulance, Mr. D. N. Kingston and Mr. G. J. Reilly will be appointed junior partners. Mr. K. L. Hale, marine claims manager, and Mr. H. E. Elton, marine servicing manager, on the same date.

Mr. Phillip M. Wilson, senior vice president of BANKERS TRUST COMPANY, has been appointed to head its newly formed marketing group. The Board of that company.

Mr. Philip Lynch, an executive director of the SOLICITORS LAW STATIONERY SOCIETY, has retired.

Mr. John G. Chaplin has retired from BROWN SHIPLEY INSURANCE SERVICES for health reasons and is succeeded as chairman of the underwriting division by Mr. A. C. Yeo. Mr. R. N. Amos becomes chairman and Mr. E. Andrew, managing director, of Holmwoods and Back & Manson (Underwriting Agencies) and Mr. A. C. D. Ingley-Mackenzie joins the Board of that company.

Bir. W. H. Forsey has become chief general manager of THE

ROYAL LONDON MUTUAL INSURANCE SOCIETY in succession to Mr. G. Skinner, who continues in a non-executive capacity. Mr. J. B. Knights has been appointed general manager and head of the society's field division.

Mr. E. Brian Bennett has been appointed a director of BANK JULIUS BAER INTERNATIONAL.

Mr. Derek G. Hickman is to join THEOLEMANS HOLDING COMPANY as managing director of the truck division from August 20. He was formerly with Mann Egerton.

Mr. Archie Thomas has been appointed director, financial services division, of CHUBBS CASH in succession to Mr. Bill Richardson, who has retired. He joins the company from Perkins Elmer Data Systems of Slough.

Mr. James S. Lyon has been appointed a director and chief executive of MIL, of Wolverhampton.

Mr. Paddy Lynch, an executive director of the SOLICITORS LAW STATIONERY SOCIETY, has retired.

Mr. Philippe Brûgère-Trelat has been appointed a director of WORMS (UK), a subsidiary of Banque Worms, Paris.

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Indices

NEW YORK—DOW JONES

1979 Since Compt'n

	Aug. 17	Aug. 16	Aug. 15	Aug. 14	Aug. 13	Aug. 12	High	Low	High	Low
• Industrials	881.20	884.04	883.84	876.71	875.35	867.06	865.34	867.80	865.17	81.22
H'tme B'nds	88.81	88.98	88.10	88.68	87.74	85.85	85.10	88.22	87.73	27.82
Transport	289.70	288.96	271.77	268.55	268.11	264.46	271.77	265.78	278.81	18.28
Utilities	105.18	108.00	103.93	103.88	101.83	98.15	98.13	103.61	102.83	10.58
Trading Vol. 000's	31,748	47,268	45,256	41,310	41,280	35,749				

	Aug. 17	Aug. 16	Aug. 15	Aug. 14	Aug. 13	Aug. 12	High	Low	High	Low
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	• Day's high	893.50	low	878.75
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	Ind. div. yield %	Aug. 10	Aug. 9	July 27	Year ago (approx)
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	5.64	5.75	5.76	5.26
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	STANDARD AND POORS	1979 Since Compt'n
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	Aug. 17	Aug. 16	Aug. 15	Aug. 14	Aug. 13	Aug. 12	High	Low	High	Low
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	• Industrials	128.11	119.79	119.83	118.85	118.51	117.75	118.31	117.75	118.31
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	• Composite	108.50	108.53	108.23	107.32	107.42	108.00	108.50	108.23	108.50
--	-------------	--------	--------	--------	--------	--------	--------	--------	--------	--------

	Ind. div. yield %	Aug. 15	Aug. 8	Aug. 1	Year ago (approx)
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	5.02	5.13	5.22	4.70
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	IND. P/E Ratio	Aug. 1	Aug. 8	8.07	9.99
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	8.89	8.85	8.91	8.54
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	Lnd Gov. Bond Yield	Aug. 15	Aug. 8	Aug. 1	Year ago (approx)
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	5.54	5.55	5.55	5.24
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	FRIDAYS ACTIVE STOCKS	Indices
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	Aug. 17	Aug. 16	Aug. 15	Aug. 14	Aug. 13	Aug. 12	High	Low	High	Low
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	Indices	1979	1978	1979	1978	1979	1978	1979	1978	1979
--	---------	------	------	------	------	------	------	------	------	------

	Aug. 17	Aug. 16	Aug. 15	Aug. 14	Aug. 13	Aug. 12	High	Low	High	Low
--	---------	---------	---------	---------	---------	---------	------	-----	------	-----

	Indices	1979	1978	1979	1978	1979	1978	1979	1978	1979
--	---------	------	------	------	------	------	------	------	------	------

	Aug. 17	Aug. 16	Aug. 15	Aug. 14	Aug. 13	Aug. 12	High	Low	High	Low
--	---------	---------	---------	---------	---------	---------	------	-----	------	-----

	Indices	1979	1978	1979	1978	1979	1978	1979	1978	1979
--	---------	------	------	------	------	------	------	------	------	------

	Aug. 17	Aug. 16	Aug. 15	Aug. 14	Aug. 13	Aug. 12	High	Low	High	Low
--	---------	---------	---------	---------	---------	---------	------	-----	------	-----

	Indices	1979	1978	1979	1978	1979	1978	1979	1978	1979
--	---------	------	------	------	------	------	------	------	------	------

	Aug. 17	Aug. 16	Aug. 15	Aug. 14	Aug. 13	Aug. 12	High	Low	High	Low
--	---------	---------	---------	---------	---------	---------	------	-----	------	-----

	Indices	1979	1978	1979	1978	1979	1978	1979	1978	1979
--	---------	------	------	------	------	------	------	------	------	------

	Aug. 17	Aug. 16	Aug. 15	Aug. 14	Aug. 13	Aug. 12	High	Low	High	Low
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	Indices	1979	1978	1979	1978	1979	1978	1979	1978	1979
--	---------	------	------	------	------	------	------	------	------	------

	Aug. 17	Aug. 16	Aug. 15	Aug. 14	Aug. 13	Aug. 12	High	Low	High	Low
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	Indices	1979	1978	1979	1978	1979	1978	1979	1978	1979
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	Aug. 17	Aug. 16	Aug. 15	Aug. 14	Aug. 13	Aug. 12	High	Low	High	Low
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	Indices	1979	1978	1979	1978	1979	1978	1979	1978	1979
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INTERNATIONAL BONDS

A jaded view of the dollar

"NEVER have so many done so little for so few" was how Hill Samuel chose to sum up the situation in the Eurobond market last Friday; indeed, the second week in August may have witnessed a low in Eurobond new issue and trading activity this year.

Investors are staying away from the market, convinced that U.S. short-term interest rates still have some way to go before reaching their peak. With most European countries having taken the lead in tightening their respective monetary policies, the Federal Reserve's decision to follow suit last week, a move which was widely expected, had already been discounted.

Banks feel that the U.S. authorities have taken a step in the right direction but they want to see U.S. interest rates move higher before they even consider buying dollar denominated bonds in any quantity again. Their attitude is unlikely to change dramatically even though the amount of cash at their disposal is growing.

A feature of the international bond markets which is becoming

steadily more pronounced is the divergence between yields in the U.S. domestic and Eurobond markets. Such divergences have occurred in the past, not least last October, a time when non-U.S. investors had lost confidence in the dollar.

The two markets diverged again at the beginning of July and have been doing so again for the past two weeks. Yield differentials of up to 50 basis points are now available to investors who choose to buy Eurobonds rather than U.S. domestic issues.

This divorce between the two markets can be attributed to three factors: the major one is the lack of confidence in the future stability of the dollar among investors living outside the U.S. Their confidence has been so deeply eroded by events in Washington over the past 12 months that it will take more than the appointment of Mr. Paul Volcker to the Federal Reserve and the slight tightening of U.S. monetary policy initiated last week to convince them that it is safe to start buying dollar paper in any quantity.

Non-U.S. investors also take a less sanguine view than U.S. residents about the likely impact of the coming recession. Will have on U.S. inflation rates. Nor are they convinced that the U.S. balance of trade deficit can be seriously cut in the near future.

A further factor which tends to push up the offered yields on Eurobond issues is the volume of unsold Eurobonds held by major houses in their inventories. Issues brought to the market as far back as February are still not entirely disposed of, hence the attempt to attract investors by offering them cheaper bonds.

So long as these various factors are at work, dealers believe this hiatus between the

two markets will continue.

There appears to have been switching last week from Yankee bonds into Eurobonds, particularly where French names are concerned. The recent 10 per cent Eurobond of 1994 for Michelin, in particular, is attracting investor interest as it offers a yield some 20 basis points above French Yankee bonds of similar quality.

New issue activity in the dollar sector of the Eurobond market was at a low ebb last week. No straight bond was launched for the second week running. One floating rate note, for Williams and Glyn, through Credit Commercial de France was launched, as well as what is believed to be the largest ever floating rate note certificate of deposit for Banque Nationale de Paris Ltd.: \$75m for five years with an interest rate fixed at 1 per cent above the six month Libor rate lead.

The West German Capital Markets Sub-Committee meets today. It is not expected to agree to a new issue calendar of more than DM 400-500m for the coming four weeks.

CURRENT INTERNATIONAL BOND ISSUES

Borrower	Amount m	Maturity	Av. life	Coupon %	Price	Lead manager	Offer %
U.S. DOLLARS							
†Citicorp	100	1983	3½	—	100	Credit Suisse First Boston	5.32%
†Williams & Glyn's Bank	75	1991	12	5½	100	CCF	—
†Nordea Kommunbank	100	1999	13	—	—	Smith Barney-Harris	—
(‡isted Norway)						Upham	—
D-MARKS	50	1985	—	6½	100	Deutsche Bank	6.5
SWISS FRANCS							
†Shikoku Elec. Power	100	1989	n.a.	4½	100	UBS	4.75
Danish Mortgage Bank	80	1991	n.a.	4½	99	Swiss Bank Corp.	4.86
(‡isted Denmark)	100	1989	n.a.	4½	99	Swiss Bank Corp.	4.43%
New Zealand	30	1989	n.a.	5½	100	Europ. Gruenwiler	5.06%
†Bank Handlowy	15	1991	n.a.	—	—	Kredit Gruenwiler	—
Toyo Sodha Mfg.	40	1984	—	4½	100	Credit Suisse	4.875
†Tokyo Sanyo Elec.	80	1984	—	4½	100	Swiss Bank Corp.	4.55
CANADIAN DOLLARS							
†Credit Foncier	30	1984	5	10½	100	Credit Suisse First Boston	10.375
UNITS OF ACCOUNT							
Copenhagen Ctry. Auth.	20	1991	5	8½	—	Kreditebank Luxem.	—
KUWAITI DINARS							
Calico Con. Co.							
Cooperation Econ. (‡isted France)	10	1994	9.4	8	—	KHC	—

* Not yet priced. † Final terms. ** Placement. ‡ Floating rate note. § Minimum. \$ Convertible. ¶ Registered with U.S. Securities and Exchange Commission. \$ Purchase fund.

Note: Yields are calculated on AIBD basis.

U.S. BONDS

BY STEWART FLEMING

Pleased with Mr. Volcker

The Federal Reserve Board fired another round at the inflationary dragon last week, tightening credit and raising its discount rate to a new record of 10½ per cent, even though the Carter Administration is officially forecasting higher unemployment and a recession.

The moves followed the regular monthly meeting of the Fed's monetary policy arm, the Federal Open Market Committee (FOMC), on Tuesday, the first since Mr. Paul Volcker succeeded Mr. G. William Miller as Fed chairman on August 6.

On Wednesday, the Central Bank signalled an increase in the discount rate was increased, the Fed's explanation focused on the need to defend the dollar, this time in commercial bank certificates of deposit at 10.70 per cent then, according to Salomon Brothers, and three month bank certificates of deposit at 9.90 per cent at the end of last week compared with 9.90 per cent at the end of June. And the prime rate is back to the record 12 per cent hit in September, 1974.

But the U.S. bond markets, albeit in very light trading, and the foreign exchange markets, greeted the initiatives with enthusiasm. In spite of rising short term interest rates, bond prices remained firm and the dollar strengthened.

The markets had been anticipating just these steps. Indeed, had the new Fed chairman dis-

sor appeared to be to take the initiative in fighting inflation rather than waiting until the markets forced an official response. So, the chances of recession have been enhanced since the Fed is unlikely to shrink from further actions of necessary, even if the economy is weakening.

There are many on Wall Street who fear that further steps will be needed. Since the end of June, many short term interest rates have, it is true, risen almost a full percentage point. One month commercial paper is currently standing at 10.50 per cent against 9.63 per cent then, according to Salomon Brothers, and three month bank certificates of deposit at 10.70 per cent at the end of last week compared with 9.90 per cent at the end of June. And the prime rate is back to the record 12 per cent hit in September, 1974.

But credit remains readily available at the commercial banks, although some banks are concerned about the impact on their customers' finances of the long period of high interest rates now being experienced. For the sake of comparison, however, in the midst of the 1974 credit squeeze, the Fed funds rate peaked at 13.75 per cent.

INTERNATIONAL LOANS

BY NICHOLAS COLCHESTER

Syndicated lending vindicated

IS a syndicated loan still a paying proposition? The latest figures from Euromoney show that in the first six months of 1979 the average spread on new loans was 0.95% per cent and the average maturity 8.3 years—a deterioration from the average figures for 1978 of 1.24% per cent over seven years.

Setting the costs of the funded and capital elements of a loan, and the cost of risk, against the interest and fees received, minus costs, leaves the heroic formula shown in the inset. It is a simplistic calculation and serves only to put current loan terms into some sort of perspective.

It assumes that the cost of funds is 1% per cent annualised over eight years. There are two even greater approximations. I have adopted the cost-or-risk of 0.33 per cent per year suggested by Governor Wallach of the U.S. Fed. After consulting various bankers I have, in cavalier fashion, knocked 0.15 per cent off the spread to pay for management costs.

On this very general basis the answer to the opening question is, yes. Two developments have helped. The formula shows that the return on equity is directly proportional to the gearing ratio adopted by banks. The return is also, curiously, affected by the LIBOR rate. The reason for this is that the higher the LIBOR rate the less burden borne becomes the small portion of each loan which is funded out of capital.

Bankers confirm that the gearing ratio has become steadily larger. I have assumed 25 to 1 for U.S. banks and 33 to 1 for European banks and even these are probably conservative. This immediately lowers the acceptable spread. Equally LIBOR has been rising relative to the acceptable return on capital employed. It is now about 11.5 per cent.

The end result is that Euromoney's average syndicated loan would currently yield a 1.0% per cent on capital before tax. This implies an after tax return of about 14.1% per cent which would be considered perfectly adequate back

on Wall Street. Euromoney's analysis shows up National Westminster as one of this year's fine pricers with a spread averaging 0.67 per cent over 8.6 years. Such terms were to persuade a group of U.S. banks that a loan to Electricite de France was riskless than a spread of 1 per cent would produce a pre-tax return on capital of 24 per cent. Even on the

Return on equity formula

$$R = k + s + 0.1 - (1 - k)(1 - R) - L$$

where R is return on equity

k is required ratio of earnings assets to equity.

i is LIBOR.

L is the spread (less management costs).

0.1 is the 1 per cent front-end fee annualised over eight years.

would be tough going for a U.S. bank, but gearing could make them more acceptable to an English one. Assuming a 3 per cent capital component, National Westminster still produces an estimated pre-tax return on capital of 23.3 per cent.

In considering loans made at spreads of around 1 per cent the Wallach risk factor probably has to be abandoned. If the French finance ministry is bunched up at current low

basis of such trust this is approaching the American lower limit: a spread of 1 per cent looks well beyond the pale.

A highly geared bank making optimistic assumptions can probably just make a loan pay with a spread below 1 per cent, but the buck clearly stops at around this level. The interesting message in Euromoney's presentation is that spreads are unchanged, but the act of faith becomes more and more impressive.

FT INTERNATIONAL BOND SERVICE

U.S. DOLLAR STRAIGHTS

	Issued	Bid	Offer	Change on day week Yield
Australia 10% 1985	100	92	92	-2.67
Australian Res. 9% 84	30	87	87	-0.01
Avco 6% Cap. 70% 82	20	85	85	-0.10
Baillie Gifford 6% 82	20	85	85	-0.10
Bank of America 6% 82	100	92	92	-0.10
CECA 8% 84-85	100	93	93	-0.09
CECA 10% 81	150	97	97	-0.11
Canadian Pacific 6% 82	20	85	85	-0.10
Canada Trust 6% 82	20	85	85	-0.10
Concord Inv. E. 10% 81	50	94	94	-0.10
Continental Grp. 8% 82	100	97	97	-0.08
Deutsche Presse 6% 82	100	97	97	-0.08
Dome Petroleum 6% 82	100	97	97	-0.08
Dow Chem. C. 9% 82	20	97	97	-0.08
EBC 5% 88	100	94	94	-0.08
EBC 6% 87	100	94	94	-0.08
EBC 8% 87	100	100	100	-0.08
EBC 10% 87	100	100	100	-0.08
EBC 10% 88	100	100	100	-0.08
EBC 12% 88	100	100	100	-0.08
EBC 14% 88	100	100	100	-0.08
EBC 16% 88	100	100	100	-0.08
EBC 18% 88	100	100	100	-0.08
EBC 20% 88	100	100	100	-0.08
EBC 22% 88	100	100	100	-0.08
EBC 24% 88	100	100	100	-0.08
EBC 26% 88	100	100	100	-0.08
EBC 28% 88	100	100	100	-0.08
EBC 30% 88	100	100	100	-0.08
EBC 32% 88	100	100	100	-0.08
EBC 34% 88	100	100	100	-0.08
EBC 36% 88	100	100	100	-0.08
EBC 38% 88	100	100	100	-0.08
EBC 40% 88	100	100	100	-0.08
EBC 42% 88	100	100	100	-0.08
EBC 44% 88	100	100	100	-0.08
EBC 46% 88	100	100	100	-0.08
EBC 48% 88	100	100	100	-0.08
EBC 50% 8				

Pessimism deepens over economic prospects

BY DAVID CHURCHILL, CONSUMER AFFAIRS CORRESPONDENT

A FURTHER fall in confidence in the economy was recorded in the latest Financial Times survey of consumer confidence, published today.

The decline follows a sharp fall in confidence after the Budget. Consumers' concern over rising prices is again the main reason for pessimism.

The survey showed that 47 per cent of consumers believed conditions would worsen, an increase of 3 per cent over last month. The same proportion as last month, 15 per cent, thought conditions would improve.

This gives an index of minus 32 per cent, compared with minus 29 per cent in each of the previous two months. At the time of the general election in May, the index stood at plus 9 per cent. A year ago it stood at zero.

The steep fall in consumer confidence since the Budget is reflected in the decline in the six-monthly average, which reflects the trend rather than recording monthly fluctuations. This had recovered from minus 18 per cent in March—a result of the industrial unrest last winter—to minus 11 per cent in May after the boost given by the general election. But in August it has declined by two percentage points to minus 16 per cent.

Energy

The main reason for pessimism was rising prices, cited by four out of ten pessimists in the survey. Last month 48 per cent gave this reason. More consumers gave the Government's economic policies as a reason for pessimism—30 per cent, compared with 19 per cent last month.

Consumer concern over the energy crisis—especially the petrol situation—has eased sharply, being pinpointed by only 7 per cent of the survey, against 15 per cent last month.

Of the 15 per cent of consumers surveyed who remain optimistic, half gave the Government's policies as the main reason for optimism. A quarter gave the reason that "things must improve."

Analysis of the survey by social sub-groups shows clearly that the decline in confidence is almost entirely accounted for by C2DE men (manual workers). Their confidence has dropped 13 per cent points to minus 45 per cent.

The index for ABC1 men (professional and executive) has increased 9 per cent from last month's all-time low of minus 28 per cent. Men in both social grades are now noticeably more pessimistic than women.

Those between 35 and 54 are the only age group to have increased their confidence. The overall picture by age shows very little variation—minus 32 per cent for the under 24s; minus 30 per cent for the 25-54s and minus 33 per cent for the 55s and over.

On a regional basis, Scotland has the lowest level of future confidence, while London and the South has the highest but the difference between the two areas is not as marked as in the past.

Prosperity

The index of past prosperity also fell in August after a slight recovery last month. The survey showed 27 per cent of consumers feeling better off than a year ago, while 41 per cent felt worse off. This gave an index of minus 14 per cent.

Again, it is the ABC-1 men subgroup which considers its families better off than last year, although their index has dropped 4 points to plus 4 per cent.

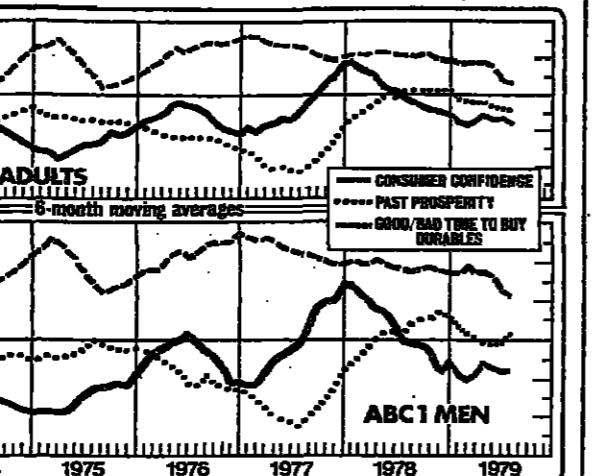
GROSSE DOORS, a member of the Montague L. Meyer Group, has placed a £5m contract for the construction of its new European distribution centre at Swindon. Groundworks have been let to Rush and Tompkins (Parsons) and the steel frame and cladding to Conder Midlands.

CHLORIDE has been awarded a contract worth more than £2m by the Soviet foreign trade organisation, Metalimpexprom, part of a factory project to manufacture batteries for cars and commercial vehicles.

SHEPHERD ENGINEERING SERVICES has been awarded contracts worth more than £2m. The largest is a £1.5m order for all mechanical services and air conditioning in the Halifax Building Society's extended computer building at its Halifax headquarters. Work is due to start in October.

R. BLACKETT CHARLTON (VESSELS), a member of the BTR Group, has been awarded a contract worth £1.3m for pipe fabrication work on an emergency support vessel. The contract is for Scott Lithgow in Port Glasgow, which is building the vessel for BP.

The £500,000 main contract for



CONTRACTS

£10m building orders for Moss

WILLIAM MOSS (CONSTRUCTION), part of the William Moss Group, has received orders worth more than £10m. The largest is a construction contract worth £2.25m placed by Deacon Development and Finance for warehouse units at Newton-le-Willows. Moss has also been given work valued at £1.5m for NAAFI, Kentington Lane, London, while two contracts worth £1.5m each have been received from Miller Kayes Development Corporation and Raglan Housing Association, Loughborough, for advanced factory units and flats, respectively.

BORDER ENGINEERING CONTRACTORS, a member of the London and Northern Group, has been awarded contracts worth over £3.25m. These include the construction of an effluent treatment works and pumping station at Workington and the provision of a water supply system for Thames Board Mills and the construction of a reinforced rock store for Albright and Wilson.

WHESOE (IRELAND) has been awarded a £400,000 contract by Alumina Contractors to design and build 18 storage units for the Arignish alumina project on the Shannon estuary in County Limerick.

BRUSH ELECTRICAL MACHINES has placed an order worth about £50,000 with FILTERMIST for 70 oil mist filtration units. The units are being fitted to turbine driven turbo-generators, which Brush Electrical is supplying to John Brown Engineering Gas Turbines.

HENRY SIMON has signed a £500,000 contract with Moulines Hadre to equip a new flour and semolina mill to be built at Kenitra in Morocco. The mill will have a capacity of 120 tons of wheat a day and is scheduled for completion in the latter half of 1980.

THE FERRANTI COMPUTER SYSTEMS has supplied a dual Argus multi-access minicomputer system valued at £100,000 to the Ministry of Defence. The system has been installed at the MoD's defence automatic data processing training centre at Blandford, Dorset, where it will provide advanced training for officers and senior NCO's from the armed forces and personnel from the Civil Service.

ELLIOTT GROUP OF PETERBOROUGH (VESSELS), a member of the BTR Group, has been awarded a contract worth £1.3m for pipe fabrication work on an emergency support vessel. The contract is for Scott Lithgow in Port Glasgow, which is building the vessel for BP.

The £500,000 main contract for

CARGO & TRANSIT

The situation in the field of cargo and transit insurance was very severe due to the poor amount of export trade and the sharp rise in the value of the yen. We made every effort to expand our business by developing new markets with particular emphasis on transit insurance, but the net premium income was lower than that of the previous year. The loss ratio also slightly increased over the previous year.

Fire & Allied Lines

Demands for fire insurance were sluggish in industrial circles. However, we managed to record a 7.3% increase in net premiums written in comparison with the previous year. This was brought about by the creation of new demands in personal lines of business.

Automobiles

We were able to record an 18.3% increase in net premiums written. This was brought about by vigorous business activities in this line of insurance, mainly in the area of "private automobile insurance."

Compulsory Automobile Liability

We recorded an 11.6% increase in net premiums written over the previous year. This increase was achieved due to a remarkable increase in the number of automobiles sold.

Other

Personal Accident insurance together with Liability insurance and Surety Bond recorded favourable gains. Other insurances as a whole recorded a 14.5% increase in net premiums written. The loss ratio, mainly Personal Accident insurance, showed a marked improvement over the previous year.

Overseas Business

As in the previous year, we continued our endeavours to strengthen and expand our sources of overseas business. As evidence of this, we have opened a new liaison office in Abu Dhabi. Overall growth in overseas business was satisfactory mainly due to the increase in business in the United States and the Near and Middle East.

Investments

The general situation concerning investments was more severe that it has been in recent years due to the decline in demand for capital by firms and the drop in interest rates. However, your Company's investment income, net of investment expenses, was U.S.\$64,488 thousand, as a result of both an expansion in investments and a flexible operation of funds.

BOC GAS EQUIPMENT has won an order worth more than £300,000 from British Rail for the supply of flashback arrestors and associated testing rigs for use with oxy-acetylene cutting and welding equipment. Test sets of testing equipment will also be supplied and set up in British Rail workshops to ensure that the flashback arrestors can be tested quickly and accurately.

A. WELLMAN INCANDESCENT furnace ordered by the Ford Motor Company has the capacity to double the rate at which camshafts are being processed for automobile engines at the Dagenham, Essex, engine plant. The £200,000 contract is for a highly automated salt bath furnace installation for surface hardening.

TOMORROW, AUGUST 21

COMPANY MEETINGS

Blisch Tn 0-3210359, Eddystone 1249, 1982, 8pm. Glasgow Stockholders Tst. 1.25, Spot.

BOARD MEETINGS

Parson Tns 4-0773, 1982, 8pm.

FRIDAY, AUGUST 22

COMPANY MEETINGS

Arundel 3240, Accrington 3111, Buxton 2200, Chelmsford 2200, Gloucester 2200, Liverpool 2200, London 2200, Nottingham 2200, Peterborough 2200, Plymouth 2200, Preston 2200, Shrewsbury 2200, Worcester 2200.

BOARD MEETINGS

Barrowman (K. O.) Nottn.

FRIDAY, AUGUST 22

COMPANY MEETINGS

Challenger 2200, Gainsborough 2200, Jones (Ernest) Cleveland 2200, M. and G. Recovery Fund Inc. Units 1.75p, Regent Street 2200, Salford 2200, Salt 2200, T. G. Gees 2200, Worcester 2200.

BOARD MEETINGS

Borromean (K. O.) Nottn.

FRIDAY, AUGUST 22

COMPANY MEETINGS

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FRIDAY, AUGUST 22

COMPANY MEETINGS

Challenger 2200, Gainsborough 2200, Jones (Ernest) Cleveland 2200, M. and G. Recovery Fund Inc. Units 1.75p, Regent Street 2200, Salt 2200, T. G. Gees 2200, Worcester 2200.

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Borromean (K. O.) Nottn.

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FRIDAY, AUGUST 22

AUTHORISED UNIT TRUSTS

Friends' Provt. Unit 176 M&S
 Friends End, Dorking.
 Friends Provt. Uts. 140.4 53.6 -0.1 4.6
 o Accru. 166.4 71.0 -0.2 4.1
Funds in Court
 Public Trustee, Kingsey, WC2.
 Friends Ass. 16. -108.4 110.3 +1.5 4.5
 Friends Ass. Inc. Aug. 16. -77.9 110.3 -4.4 4.6
 Total Yield Ass. 16. -108.4 88.6 -0.1 4.1
 Unpaid Restricted claims under Court control.

L.T. Unit Managers Ltd. Ltd.
 6 Fleetbury Circus, EC2M 7DD
 T. Cap. Inc. -104.6 113.3 +1.0 4.0
 o Ass. 16. -104.6 113.3 +1.0 4.0
 T. Inc. Fin. Ass. -174.1 113.3 +1.0 4.0
 T. U.S. & Gen. -138.9 137.7 +1.6 2.70
 T. Japan & Gen. -60.5 65.1 +1.7 2.70

21	Reliance Unit Mgrs. Ltd.	W	
22	Reliance Hse., Tunbridge Wells, Kent		658
23	Opportunity Fd. -	[70.2	75.1
24	Sectorwise T. Acc. I -	[34.7	47.5
25	Sectorwise T. Acc. II -	[42.0	44.9
26			0-3
27			
28	Ridgfield Management Ltd.		
29	10-20 Grosvenor St., Manchester		651-7
30	Ridgefield Inc. UT -	[176.0	215.0
31	Ridgefield Income -	[82.0	85.0
32			
33	Rothschild Asset Management (g)		
34	72-78 Grosvenor Rd., Aylesbury		652
35	N.C. Equity Fund -	[379.2	130.6
36	N.C. Enrgy. Res. T. I -	[246.0	132.0
37	N.C. Income Fund -	[152.1	161.8
38	N.C. Indl. Fd. Inc. P.O.S -	[20.5	25.0
39	N.C. Indl. Fd. Inc. P.(Acc) B.A.T -	[82.7	81.9
40	N.C. Smarit Corp. Fd. -	[286.0	208.0
41			0-3
42			
43	Rowan Unit Trust Mgmt. Ltd.		
44	Cir. Gate Hse., Finchley Sq., EC3		651-6
45	American Amer. Inv. -	[167.5	70.5
46			

Schlesinger Trust Mngrs.—contd.	
	Ind. Growth
2 2271	Market Leaders
2 2271	"M" Yield
3 445	Pet. & G.R. Trust
3 445	Property Fund
3 445	SociaL St. Tr.
36 851	U.K. G.R.R. Accm.
2 295	U.K. Growth Bks.
4 53	U.K. Growth Bks.
J. Henry Schroder Waggs & Co.	
120, Cheapside, E.C.2	
Capital Aug. 14—	1550
Accm. Unit—	1550
Income Aug. 14—	1554
Accm. Unit—	1554
General Income 17—	1555
Accm. Units—	1555
European August 17—	1555
Accm. Units—	1555
P&H/C&D July 22—	1553
Recovery Aug. 7—	1572
Spec. Eq. Avg. 7—	5075
1 36	5170
106 1066	

	Tower Unit Trust Mngt.
-0.3	29-45 Finsbury Square, EC2A 1
5.40	Income & Growth.....123?
	Trades Union Unit Tst.
11.95	100, Wood Street, EC2V
-0.1	TUUI August527
1.75	
1.41	Transatlantic and Gen. S.
2.48	91-99 New London Rd, Chelms-
0.1	ford Acctm. Units.....131.5
Ltd. w/o (Accts)	American Airport.....16.1
01-240-3454	Acctm. Units.....131.5
3.02	Obear Extr. Inv.72.5
	Buchen August
7.12	Acctm. Units.....104.3
	Celticco Aug. 17.....138.7
7.82	Acctm. Units.....137.40
4.12	Comf August 15.....133.7
4.12	Comf August 15.....133.7
3.17	Comf Aug. 12.....133.7
3.17	Comf Aug. 12.....133.7
3.97	Horizon Aug. 14.....52.0
2.00	Horizon Aug. 14.....52.0
3.00	Acctm. Units.....60.6

OFFSHORE & O'SEAS FUNDS

Luxembourg.
 USSR.46 | | | -
 date August 16.
 5 Inv. Mgt. (C.I.)
 Joy, C.I. 0534-737-51
 28 12.35d - | 11.76
 (C.I.) Limited
 Jersey. 0534 76077
 5 93.00d - | 13.71
 Aug: 20
 12.35d - | 7.81
 date August 20.
 111 | 3.38
 date Aug. 23.
 First NV
 Kielwartz Benson
 20, Fenchurch St., EC3

Ltd.
V.S.E. 01-602 707C
FPL 260 1,500 2.30
FPL 261 1,500 2.30
FPL 261 149.55 4.05

Mings.
Metor, Jersey. (0234) 77741
Port, Gt. Britain. (041) 247.66
Metor, D.M. (0529) 45566
Metor, 4.55 11.50
Metor 108.65 11.50
Metor 10.10 11.50

[REDACTED] 2.30 : -
[REDACTED] 228.17 : -

n Limited 01-622 8009

INSURANCE & PROPERTY BONDS

Crown Co. Ltd.	ECA. 01-248 9111	Crown Life Assurance—contd.
8.1	40.7	Fxd. Inv. Fd. Acc. 116.3 122.3 +0.1
3.9	35.7	Fxd. Inv. Fd. Incm. 110.5 116.3 +0.1
76.1	125.4	Interl. Fd. Acc. 108.0 113.4 +0.1
80.0	197.9	Interl. Fd. Incm. 106.3 111.6 +0.1
0.25	107.9	Money Fd. Acc. 102.7 108.1 +0.1
40.9	148.4	Money Fd. Incm. 96.9 102.4 +0.1
31.1	138.0	Dist. Fd. Incm. 109.7 115.6 +0.1
52.0	160.0	Crown Brd. Inv. 'A' 174.7 —
50.1	158.0	
8.4	40.5	
20.0	126.4	
18.0	124.3	
15.8	227.2	
8.4	104.0	
15.4	216.3	
7.7	197.8	
Evaluation normally Tuesday		
Cance Co. Ltd.	ECA. 01-437 5962	Crusader Insurance Co. Ltd.
7.1	—	Vincola House, Tower Pl., EC3. 01-626
4.5	215.2	Grh. Prop. Aug. b... 182.0 94.0 -
16.4	169.4	
22.7	129.1	
13.4	119.3	
3.2	129.7	
8.0	200.0	
4.5	288.4	
15.5	251.0	
5.1	152.7	
3.0	129.0	
4.7	153.4	
	257.5	
Evaluation normally Tuesday		
Eagle Star Insur./Midland Assur.		Eagle Star Insur./Midland Assur.
1. Threadneedle St., EC2. 01-588		1. Threadneedle St., EC2. 01-588
Eagle/Mid. Units... 160.7		Eagle/Mid. Units... 160.7 63.0 -0.1
Equity & Law Life Ass. Soc. Ltd		Equity & Law Life Ass. Soc. Ltd
Amersham Road, High Wycombe. 0494 3		Amersham Road, High Wycombe. 0494 3
Equity Fd. 130.4 137.7 -0.5		Equity Fd. 130.4 137.7 -0.5
Property Fd. 126.9 133.5 -0.1		Property Fd. 126.9 133.5 -0.1
Fred Interest F. 123.5 124.9 -0.1		Fred Interest F. 123.5 124.9 -0.1
Grid. Deposit Fd. 116.4 111.0 -0.1		Grid. Deposit Fd. 116.4 111.0 -0.1
Mixed Fd. 128.1 134.8 -0.3		Mixed Fd. 128.1 134.8 -0.3
Gartmore Bonds		Gartmore Bonds
For underlying unit prices of Gartmore		For underlying unit prices of Gartmore
Lloyd's Life Bond; see Gartmore Fund		Lloyd's Life Bond; see Gartmore Fund
Managers under Authorised Unit Trusts		Managers under Authorised Unit Trusts
General Portfolio Life Ins. C. Ltd.		General Portfolio Life Ins. C. Ltd.
60 Euston Square Cl., Waltham Cross. WX31		60 Euston Square Cl., Waltham Cross. WX31
General Ed. 100 100		General Ed. 100 100

	Lloyds Life Assurance—contd.	
12-48	Prs. Min. Ac. July 31 1952 255.1	—
	Prs. Min. Ac. July 31 1958 250.0	—
	Prs. Dec. Acc.—Aug. 15 1955 177.9	—
	Prs.Dp.Cap. Aug.15 1943 151.9	—
13-75		
10-33	London A'dean & Nthn. Mtl. Assur. Ltd.	
	129 Kingsway, London, WC2B 6NF. 01-804 0939	
	'Asset Resid'r' 148.8 49.3 []	
8032	London Indemnity & Gen. Ins. Co. Ltd.	
	18-20, The Farsley, Reading 5853511.	
	Money Manager 26.1 39.0 +0.3	
	M.M. Flexible 26.1 32.5 +0.3	
	Fixed Interest 27.7 39.3 +0.3	
12/12	London Life Linked Assur. Ltd.	
6.21	81 Kleg William St., EC4N 7SD. 01-626 0511	
	Equity 189.9 92.5 —	
	Fixed Interest 100.1 100.4 —	
	Property 102.7 104.3 —	
	Deposit 102.2 102.2 —	
	M.-ed. 45.0 96.8 —	
13377	The London & Manchester Ass. Gp. #	
	Winelands Park, Exeter. 0922 521555	
	Cap. Growth Fund 228.5 +3.1 —	
	Off. Inv. Excess Fd. 157.1 +1.1 —	
	Off. Excess Fd. 773.5 +0.1 —	
	Off. Inv. Tsl. Fd. 179.8 +2.2 —	
	Flexible Fund 120.9 +2.1 —	
	Inv. Trus. Fund 742.7 +2.4 —	
	Property Fund 94.2 +0.3 —	
	Gtd. Deposit Fd. 106.6 +0.3 —	
	Fixed Interest Fd. 100.4 +0.1 —	
971		
	Prudential Holborn Bars. Equity Fd. Jl. 74 Fixed Int. Jl. 74 Prop. Fd. Jl. 74	
	Reliance M. Tunbridge Wells P.R. Prop. Bds.	
	Rothschild St. Swithin's L. N.C. Prop. Next	
	Royal Insur. New Hall Hall Place Royal Shield Fd.	
	Save & P.T. 4, GL St. Helens Bel. In. Fd.	
	Property Fd. Gilt Fd.	
	Deposit Fd. Com. Pens. Fd. Equity Funds Prop. Pens. Fd. Gilt Pens. Fd. Depos. Pens. Fd.	

1120	138.6		Sgt. Bd. Fd. (h)	10.48	10.
137.9	138.6		Butterfield Management Co.		
108.6	113.4		P.O. Box 195, Hamilton, Bermuda		
118.8	125.7		Business Equity	US\$2.50	5.1
107.8	113.5		Business Income	12.12	
Pensions Limited ^d					
EC1N 2NH	D1-405 9222		Prices at Aug. 9 next sub. dep.		
15	129.38	30.29 +0.87			
18	122.18	22.47 +0.40			
	132.61	33.82 +0.59			
Actual					
ills, Kent	253.4	0892 22271			
Asset Management					
One, London EC4	01-626 4356		Charterhouse Japhet		
133.8	142.4		1 Paternoster Row, EC4		
sub. period Sept	22.02		Address	1042909	30.
Trance Group			Telephone	01-587 77	
E, Liverpool	051-227 4422		Fax	0109 811	31.
d.	165.0	174.6	Funds	0109 830	25.
Prosper Group ^d			Emperor Fund	53.94	1.0
%, Ldn.	EC3P 3EP	01-554 8899	Hispasat	44.77	44.
142.7	151.1	+0.4			
150.3	169.8				
135.7	142.9	-0.4			
132.8	138.8				
L.	240.4	252.9			
200.8	220.4	-1.3			
	226.1	302.8			
	210.1	315.9			
L.	217.5	277.1			
Prices on August 14.					
Clive Investments (Jersey) Ltd.					
P.O. Box 320, St. Helier, Jersey			Clive Gf Fd. (T)	103.45	10.58
Clive Gf Fd. (P)			Clive Gf Fd. (P)	103.45	10.46
Cornwall Ins. (Guernsey) Ltd.					
P.O. Box 157, St. Peter Port, Guernsey			Iota. Min. Fd.	102.02	19.8
Iota. Min. Fd.					
DWS Deutsche Ges. F. Wertp.					
Grunewaldweg 113, 6000 Frankfurt					
Investa					
			DM93.45	38.3	
Delta Group					

53-0023	11.80	Phoenix International PC Box 77, St. Peter Port, Guernsey	0481 26741
Ltd.		Inter-Dollar Fund.....	\$522.54
L		Far East Fund.....	\$582.05
000	1.62	Incl. Currency Fund.....	\$513.49
000	8.55	Dollar Fxd. Int. Fund.....	\$515.63
Sept. 10.		Ster. Eversp. Gilt Fd.....	\$1.18
			1.28
01-248 5999		Providence Capital Life Ass. (C.I.)	
53-0041	4.43	PO Box 121, St. Peter Port, Guernsey (0481) 26726/3	
53-0041	4.25	Sterling Bond Fd.....	\$12.9
53-0042	3.92	Sterling Equity Fd.....	\$11.2
53-0045	1.58	Intl. Bond Fd.....	\$150.95
td.		Intl. Equity Fd.....	\$150.95
		Price at August 15. Next dealing August 22.	
0534 27311		Quest Fund Management (Jersey) Ltd.	
53-1132		PO Box 194, St. Helier, Jersey	0534 27442
53-1147		Quest Fd. Invst.	\$6.7
—		Quest Inv. Secs.	\$0.932
—		Quest Inv. Ind.	\$0.932
—		Price on August 15. Next dealing August 22.	
Richmond Life Ass. Ltd.			
48, Athel Street, Douglas, I.O.M.			0424 23514
(1) The Silver Trust	\$55.5	159.2	+4.3
Do. Diamond Bd.	46.5	101.1	-
Do. Em Income Bd.	136.5	145.8	+1.5
Midway Deposit Bd.	\$100.52	101.54	-
Carroll C.G.T. Bd.	60.2	63.9	-
Rothschild Asset Management (C.I.)			
P.O. Box 58, St. Julian's Cl., Guernsey			0481 26331
O.C. Eng. Fd. July 31	\$55.9	49.2	-
O.C. Inc. Fd. Aug. 1	\$50.4	180.0	+7.6
—			
papers			
10+10.0			

Factories, Warehouses,
Offices, Sites...

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Telford
0952 613131

FT SHARE INFORMATION SERVICE

FOREIGN BONDS & RAILS

Interest Rate	Stock	Price £	Last Price \$	No. of Days	2nd Yield
11	Amerigas Ry.	35	97.1	—	—
11	Do. Spec Priv.	45	15.4	—	—
11	Chinese Minred.	98	2.18	13.10	—
11	Chinese 41c 1963	25	—	—	—
11	Do. Spec 1963	25	—	—	—
11	Do. 1925	10	—	—	—
11	Do. German Yng.	425	55	—	8.36
11	Greece Tech.	41	15.4	—	—
11	Do. 1963	41	15.4	—	—
11	Do. 1964	37	2.7	—	—
11	Do. 1965 Mixed Acc.	37	2.7	—	—
11	Hung. 24 Acc.	54	2.6	13.05	5.10
11	Indonesia 3c 1988	25	—	—	—
11	15 Do. 91c 1986	82	1.5	12.12	—
11	15 Japan 4c 10 Acc.	250	1.4	—	—
11	15 Do. 1986	25	2.1	—	—
11	15 Jun. 1986	750	2.7	8.67	—
11	15 Suri. 1c 1991	392	—	—	—
11	15 Turkey 77-78	90	—	—	—
11	15 Funding 7c 78-80c	95	—	—	—
11	15 U.S. 10c 1984	100	—	—	—
11	15 U.S. 10c 1985	100	—	—	—
11	15 U.S. 10c 1986	100	—	—	—
11	15 U.S. 10c 1987	100	—	—	—
11	15 U.S. 10c 1988	100	—	—	—
11	15 U.S. 10c 1989	100	—	—	—
11	15 U.S. 10c 1990	100	—	—	—
11	15 U.S. 10c 1991	100	—	—	—
11	15 U.S. 10c 1992	100	—	—	—
11	15 U.S. 10c 1993	100	—	—	—
11	15 U.S. 10c 1994	100	—	—	—
11	15 U.S. 10c 1995	100	—	—	—
11	15 U.S. 10c 1996	100	—	—	—
11	15 U.S. 10c 1997	100	—	—	—
11	15 U.S. 10c 1998	100	—	—	—
11	15 U.S. 10c 1999	100	—	—	—
11	15 U.S. 10c 2000	100	—	—	—
11	15 U.S. 10c 2001	100	—	—	—
11	15 U.S. 10c 2002	100	—	—	—
11	15 U.S. 10c 2003	100	—	—	—
11	15 U.S. 10c 2004	100	—	—	—
11	15 U.S. 10c 2005	100	—	—	—
11	15 U.S. 10c 2006	100	—	—	—
11	15 U.S. 10c 2007	100	—	—	—
11	15 U.S. 10c 2008	100	—	—	—
11	15 U.S. 10c 2009	100	—	—	—
11	15 U.S. 10c 2010	100	—	—	—
11	15 U.S. 10c 2011	100	—	—	—
11	15 U.S. 10c 2012	100	—	—	—
11	15 U.S. 10c 2013	100	—	—	—
11	15 U.S. 10c 2014	100	—	—	—
11	15 U.S. 10c 2015	100	—	—	—
11	15 U.S. 10c 2016	100	—	—	—
11	15 U.S. 10c 2017	100	—	—	—
11	15 U.S. 10c 2018	100	—	—	—
11	15 U.S. 10c 2019	100	—	—	—
11	15 U.S. 10c 2020	100	—	—	—
11	15 U.S. 10c 2021	100	—	—	—
11	15 U.S. 10c 2022	100	—	—	—
11	15 U.S. 10c 2023	100	—	—	—
11	15 U.S. 10c 2024	100	—	—	—
11	15 U.S. 10c 2025	100	—	—	—
11	15 U.S. 10c 2026	100	—	—	—
11	15 U.S. 10c 2027	100	—	—	—
11	15 U.S. 10c 2028	100	—	—	—
11	15 U.S. 10c 2029	100	—	—	—
11	15 U.S. 10c 2030	100	—	—	—
11	15 U.S. 10c 2031	100	—	—	—
11	15 U.S. 10c 2032	100	—	—	—
11	15 U.S. 10c 2033	100	—	—	—
11	15 U.S. 10c 2034	100	—	—	—
11	15 U.S. 10c 2035	100	—	—	—
11	15 U.S. 10c 2036	100	—	—	—
11	15 U.S. 10c 2037	100	—	—	—
11	15 U.S. 10c 2038	100	—	—	—
11	15 U.S. 10c 2039	100	—	—	—
11	15 U.S. 10c 2040	100	—	—	—
11	15 U.S. 10c 2041	100	—	—	—
11	15 U.S. 10c 2042	100	—	—	—
11	15 U.S. 10c 2043	100	—	—	—
11	15 U.S. 10c 2044	100	—	—	—
11	15 U.S. 10c 2045	100	—	—	—
11	15 U.S. 10c 2046	100	—	—	—
11	15 U.S. 10c 2047	100	—	—	—
11	15 U.S. 10c 2048	100	—	—	—
11	15 U.S. 10c 2049	100	—	—	—
11	15 U.S. 10c 2050	100	—	—	—
11	15 U.S. 10c 2051	100	—	—	—
11	15 U.S. 10c 2052	100	—	—	—
11	15 U.S. 10c 2053	100	—	—	—
11	15 U.S. 10c 2054	100	—	—	—
11	15 U.S. 10c 2055	100	—	—	—
11	15 U.S. 10c 2056	100	—	—	—
11	15 U.S. 10c 2057	100	—	—	—
11	15 U.S. 10c 2058	100	—	—	—
11	15 U.S. 10c 2059	100	—	—	—
11	15 U.S. 10c 2060	100	—	—	—
11	15 U.S. 10c 2061	100	—	—	—
11	15 U.S. 10c 2062	100	—	—	—
11	15 U.S. 10c 2063	100	—	—	—
11	15 U.S. 10c 2064	100	—	—	—
11	15 U.S. 10c 2065	100	—	—	—
11	15 U.S. 10c 2066	100	—	—	—
11	15 U.S. 10c 2067	100	—	—	—
11	15 U.S. 10c 2068	100	—	—	—
11	15 U.S. 10c 2069	100	—	—	—
11	15 U.S. 10c 2070	100	—	—	—
11	15 U.S. 10c 2071	100	—	—	—
11	15 U.S. 10c 2072	100	—	—	—
11	15 U.S. 10c 2073	100	—	—	—
11	15 U.S. 10c 2074	100	—	—	—
11	15 U.S. 10c 2075	100	—	—	—
11	15 U.S. 10c 2076	100	—	—	—
11	15 U.S. 10c 2077	100	—	—	—
11	15 U.S. 10c 2078	100	—	—	—
11	15 U.S. 10c 2079	100	—	—	—
11	15 U.S. 10c 2080	100	—	—	—
11	15 U.S. 10c 2081	100	—	—	—
11	15 U.S. 10c 2082	100	—	—	—
11	15 U.S. 10c 2083	100	—	—	—
11	15 U.S. 10c 2084	100	—	—	—
11	15 U.S. 10c 2085	100	—	—	—
11	15 U.S. 10c 2086	100	—	—	—
11	15 U.S. 10c 2087	100	—	—	—
11	15 U.S. 10c 2088	100	—	—	—
11	15 U.S. 10c 2089	100	—	—	—
11	15 U.S. 10c 2090	100	—	—	—
11	15 U.S. 10c 2091	100	—	—	—
11	15 U.S. 10c 2092	100	—	—	—
11	15 U.S. 10c 2093	100	—	—	—

